

## CD163 recombinant protein

CD163, 42-1050aa, Human, His-tag, Baculovirus

|                              |                            |                                 |
|------------------------------|----------------------------|---------------------------------|
| CATALOG #<br><b>AAA48971</b> | HOST<br><b>Baculovirus</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|----------------------------|---------------------------------|

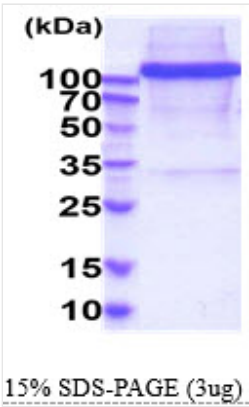
### PRODUCT SYNONYMS

CD163; 42-1050aa; Human; His-tag; Baculovirus; Scavenger receptor cysteine-rich type 1 protein M130 isoform; M130; MM130; SCAR11; CD163 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | Baculovirus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                                   | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                           | Liquid. In phosphate buffered saline (pH 7.4).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration                                         | 0.5 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence                                              | SSLGGTDKEL RLVDGENKCS GRVEVKVQEE WGTVCNNGWS MEAVSVICNQ LGCPTAIKAP GWANSSAGSG<br>RIWMDHVSCR GNESALWDCK HDGWGKHSNC THQQDAGVTC SDGSNLEMRL TRGGNMCSGR IEIKFQGRWG<br>TVCDDNFNID HASVICRQLE CGSAVSFSGS SNFGEESGPI WFDDLICNGN ESALWNCKHQ GWGKHNCDDHA<br>EDAGVICSKG ADLSRLVDG VTECSGRLEV RFQGEWGTIC DDGWDSYDAA VACKQLGCPT AVTAIGRVNA<br>SKGFGHIWLD SVSCQGHEPA IWQCKHHEWG KHYCNHNEDA GVTCSGSDL ELRLRGGGSR CAGTVEVEIQ<br>RLLGKVCDRG WGLKEADVVC RQLGCGSALK TSYQVYSKIQ ATNTWFLSS CNGNETSLWD CKNWQWGGLT<br>CDHYEEAKIT CSAHREPLV GGDIPCSGRV EVKHGDTWGS ICDSDFSLEA ASVLCRELQC GTVVSILGGA<br>HFGEGNGQIW AEEFQCEGHE SHLSLCPVAP RPEGTCSHSR DVGVVCSRYT EIRLVNGKTP CEGRVELKTL<br>GAWGSLCNSH WDIEDAHVLC QQLKCGVALS TPGGARFGKG NGQIWRHMFH CTGTEQHMGD CPVTALGASL<br>CPSEQVASVI CSGNQSQTLS SCNSSSLGPT RPTIPEESAV ACIESGQLRL VNGGGRCAGR VEIYHEGSWG<br>TICDDSWDLS DAHVVCRLQG CGEAINATGS AHFGEGTGPI WLDEMCKNGK ESRIWQCHSH GWGQQNCRHK<br>EDAGVICSEF MSLRLTSEAS REACAGRLEV FYNGAWGTVG KSSMSETTVG VVCRQLGCAD KGKINPASLD<br>KAMSIPMWVD NVQCPKGPDT LWQCPSSPWE KRLASPSEET WITCDNKIRL QEGPTSCSGR VEIWHGGSWG<br>TVCDDSWDLD DAQVVCQQLG CGPALKAFKE AEFQGQTGPI WLNEVKCKGN ESSLWDCPAR RWGHSECGHK<br>EDAAVNCTDI SVQKTPQKAT TGRSSRQSSH HHHHH |
| Sequence Length                                       | 1156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for CD163 recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tag Information                                       | His-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Domain                                                | 42-1050aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Endotoxin Level                                       | < 1 EU per 1ug of protein (determined by LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                               | Can be stored at 2-8°C for 1 week.<br>For long term storage, aliquot and store at -20°C to -80°C.<br>Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

IMAGES



SDS-PAGE  
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD163 recombinant protein | CD163, also known as scavenger receptor cysteine-rich type 1 protein M130 isoform a, is a scavenger receptor for the hemoglobin-haptoglobin complex that is essential in liver, spleen and circulation. This protein is generated by ectodomain shedding of the membrane bound receptor. Also, it is upregulated in a large range of inflammatory diseases including liver cirrhosis, macrophage activation syndrome, HIV infection and sepsis. Recombinant human CD163, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Product Categories/Family for CD163 recombinant protein   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                                                | Droste A., et al, (1999) Biochem. Biophys. Res. Commun. 256:110-113.; Stover CM., et al, (2000) Cytogenet. Cell Genet. 90:246-247.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 344179110                                                      |
| NCBI GeneID                      | 9332                                                           |
| NCBI Accession #                 | NP_004235                                                      |
| NCBI GenBank Nucleotide #        | NM_004244.5                                                    |
| UniProt Accession #              | Q86VB7; Q07898; Q07899; Q07900; Q07901; Q2VLH7; C9JIG2         |
| Molecular Weight                 | 109.8kDa (1015aa)                                              |
| NCBI Official Full Name          | scavenger receptor cysteine-rich type 1 protein M130 isoform a |
| NCBI Official Synonym Full Names | CD163 molecule                                                 |
| NCBI Official Symbol             | CD163                                                          |
| NCBI Official Synonym Symbols    | M130; MM130; SCAR11                                            |
| NCBI Protein Information         | scavenger receptor cysteine-rich type 1 protein M130           |
| UniProt Protein Name             | Scavenger receptor cysteine-rich type 1 protein M130           |
| UniProt Gene Name                | CD163                                                          |
| UniProt Synonym Gene Names       | M130; sCD163                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd163-recombinant-protein-baculovirus-sds-page/48971>