

## CD44 Antigen (CD44) Active Protein | CD44 active protein

Recombinant Human CD44 Antigen (CD44), Partial (Active)

CATALOG #  
**AAA243726**

HOST  
**Mammalian cell**

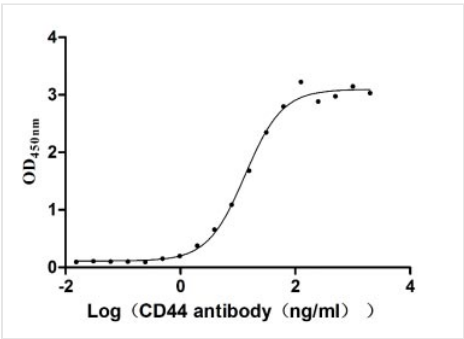
### PRODUCT SYNONYMS

CD44 Antigen (CD44); Recombinant Human CD44 Antigen (CD44); Partial (Active); CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; Phagocytic glycoprotein I; PGP-I; LHR; MDU2; MDU3; MIC4; CD44 active protein

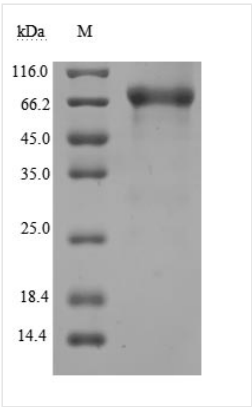
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| Form/Format             | Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4.                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Positions      | 21-220aa; Partial                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence                | QIDLNITCRF AGVFHVEKNG RYSISRTEAA DLCKAFNSTL PTMAQMEKAL SIGFETCRYG FIEGHVVIPR<br>IHPNSICAAN NTGVYILTSN TSQYDTYCFN ASAPPEEDCT SVTDLPNAFD GPITITIVNR DGTRYVQKGE<br>YRTNPEDIYP SNTPTDDVSS GSSSERSSTS GGYIFYTFST VHPIPEDDSP WITDSTDRIIP                                                                                                                                                                                        |
| Sequence Length         | 742                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tag                     | C-terminal FC-tagged                                                                                                                                                                                                                                                                                                                                                                                                      |
| Endotoxin               | Less than 1.0 EU/ug as determined by LAL method.                                                                                                                                                                                                                                                                                                                                                                          |
| Biological Activity     | Measured by its binding ability in a functional ELISA. Immobilized CD44 at 2 ug/ml can bind Anti-CD44 mouse monoclonal antibody , the EC50 of the CD44 protein is 11.89-14.94 ng/ml.                                                                                                                                                                                                                                      |
| Reconstitution          | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Preparation and Storage | Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.                                                                                                                                                                                                                                                                                                                |

IMAGES



Bioactivity



SDS-PAGE  
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

|                                                   |        |
|---------------------------------------------------|--------|
| Product Categories/Family for CD44 active protein | Cancer |
|---------------------------------------------------|--------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| NCBI GI #                        | 48255935                                                                      |
| NCBI GeneID                      | 960                                                                           |
| NCBI Accession #                 | NP_000601.3                                                                   |
| NCBI GenBank Nucleotide #        | NP_000601.3                                                                   |
| UniProt Accession #              | P16070                                                                        |
| Molecular Weight                 | 51.0 kDa                                                                      |
| NCBI Official Full Name          | CD44 antigen isoform 1                                                        |
| NCBI Official Synonym Full Names | CD44 molecule (Indian blood group)                                            |
| NCBI Official Symbol             | CD44                                                                          |
| NCBI Official Synonym Symbols    | IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III |
| NCBI Protein Information         | CD44 antigen                                                                  |
| UniProt Protein Name             | CD44 antigen                                                                  |
| UniProt Gene Name                | CD44                                                                          |
| UniProt Synonym Gene Names       | LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I                                 |
| UniProt Entry Name               | CD44_HUMAN                                                                    |

**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.