

## CD300A recombinant protein

Recombinant Mouse CD300A Protein

| CATALOG # | HOST        | REACTIVITY | APPLICATIONS                  |
|-----------|-------------|------------|-------------------------------|
| AAA263187 | Human cells | Mouse      | SDS-Page, Western Blot, ELISA |

### PRODUCT SYNONYMS

CD300A; Recombinant Mouse CD300A Protein; CMRF35H; IGSF12; CMRF35-like molecule 8; CLM-8; CD300 antigen-like family member A; CMRF-35-H9; CMRF35-H9; CMRF35-H; IRC1/IRC2; Immunoglobulin superfamily member 12; IgSF12; Inhibitory receptor protein 60; IRp60; NK inhibitory receptor; CD300a; CD300A recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | Human cells                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity                                             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                                    | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                            | Lyophilized from a 0.2 uM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence                                               | LHGPSTMSGVSGESLSVSCR YEEKFKTKDK YWCRVSLKIL CKDIVKTSSS EEARSGRVTI RDHPDNLTF<br>VTYESLTLED ADTYMCAVDI SLFDGSLGFD KYFKIELSVV PSEDPVSSPG PTLETPVVST SLPTKGPA<br>LNTEGHRHD YSGLRVDDI EGRMDEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEV<br>T CTVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALP<br>A PIEKTSKAK GQPREPQVYT LPPSREEMTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS<br>DGSFFLYSKL TVDKSRWQQG NVFSCSVME ALHNHYTQKS LSLSPGK |
| Sequence Length                                        | 318                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for CD300A recombinant protein | MS (Mass Spectrometry), SDS-PAGE, WB (Western Blot), ELISA                                                                                                                                                                                                                                                                                                                                                                                                     |
| Endotoxin                                              | Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.                                                                                                                                                                                                                                                                                                                                                                                                      |
| Directions for Use                                     | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.                                                                                                                                                                                 |
| Preparation and Storage                                | Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.                                                                                                                                                                                                     |

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                         |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD300A recombinant protein | Recombinant Mouse CD300A Protein is produced by our mammalian expression system and the target gene encoding Leu28-Arg183 is expressed with a Fc tag at the C-terminus. |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                           |             |
|---------------------------|-------------|
| NCBI GI #                 | 25092741    |
| NCBI GeneID               | 217303      |
| NCBI Accession #          | NP_739564.1 |
| NCBI GenBank Nucleotide # | NM_170758.3 |

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| UniProt Accession #              | Q6SJQ0; Q7TN56; Q7TSN3; Q8CFN3; B9EIB1                            |
| NCBI Official Full Name          | CMRF35-like molecule 8 isoform 1                                  |
| NCBI Official Synonym Full Names | CD300A molecule                                                   |
| NCBI Official Symbol             | Cd300a                                                            |
| NCBI Official Synonym Symbols    | Clm8; LMIR1; MMAC8; Pigr4; MAIR-I; mcpir1; MAIR-Ia; B230315M08Rik |
| NCBI Protein Information         | CMRF35-like molecule 8                                            |
| UniProt Protein Name             | CMRF35-like molecule 8                                            |
| UniProt Gene Name                | <b>Cd300a</b>                                                     |
| UniProt Synonym Gene Names       | Clm8; Lmir1; Mcpir1; CLM-8; MAIR-1; MAIR-I                        |
| UniProt Entry Name               | CLM8_MOUSE                                                        |

**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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