

## Mouse CD300b ELISA Kit | CD300b elisa kit

Mouse CD300b PicoKine ELISA Kit

CATALOG #  
**AAA125203**

REACTIVITY  
**Mouse**

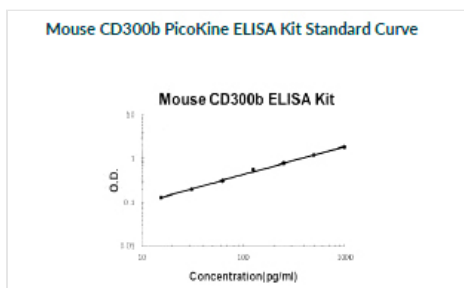
### PRODUCT SYNONYMS

CD300b; Mouse CD300b PicoKine ELISA Kit; Mouse CD300b; CD300 molecule like family member B; CMRF35-like molecule 7; CLM-7; CD300 antigen-like family member B; Immune receptor expressed on myeloid cells 3; IREM-3; Leukocyte mono-Ig-like receptor 5; Cd300lb; Irem3; Lmir5; CD300b elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                |
| Specificity             | Natural and recombinant Mouse Cd300lb                                                                                                                |
| Sequence Length         | 255                                                                                                                                                  |
| Samples                 | Cell culture supernates, serum and plasma (heparin, EDTA)                                                                                            |
| Detection Range         | 15.6pg/ml-1000pg/ml                                                                                                                                  |
| Sensitivity             | <10pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.    |
| Inter-assay Precision   | Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD300b elisa kit | Principle of the Assay: The Picokine™ Mouse Cd300lb Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cd300lb with a 96-well strip plate that is pre-coated with antibody specific for Cd300lb. The detection antibody is a biotinylated antibody specific for Cd300lb. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Cd300lb with immunogen: Expression system for standard: E.coli, Immunogen sequence: I18-P209. The kit is analytically validated with ready to use reagents. To measure Mouse Cd300lb, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Cd300lb in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cd300lb in the sample.!!Background/Introduction: CD300 molecule like family member b is a protein that in humans is encoded by the CD300LB gene. It is mapped to 11; 11 E2. CD300LB is a nonclassical activating receptor of the immunoglobulin (Ig) superfamily expressed on myeloid cells. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 80978941                            |
| NCBI GeneID                      | 217304                              |
| NCBI Accession #                 | NP_954691.2                         |
| NCBI GenBank Nucleotide #        | NP_954691.2                         |
| UniProt Accession #              | Q3U497                              |
| NCBI Official Full Name          | CMRF35-like molecule 7 isoform 1    |
| NCBI Official Synonym Full Names | CD300 molecule like family member B |
| NCBI Official Symbol             | Cd300lb                             |
| NCBI Official Synonym Symbols    | Clm7; CLM-7; Gm253; LMIR5           |
| NCBI Protein Information         | CMRF35-like molecule 7              |
| UniProt Protein Name             | CMRF35-like molecule 7              |
| UniProt Gene Name                | Cd300lb                             |
| UniProt Synonym Gene Names       | Irem3; Lmir5; CLM-7; IREM-3         |
| UniProt Entry Name               | CLM7_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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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/cd300b/125203>