

## Active Recombinant Mouse Cd200 Protein, His-tagged

**Cat. No.** Cd200-027M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant mouse CD200, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                    |
| <b>Source</b>           | Insect cells                                                                                                                                                                                                             |
| <b>Description</b>      | Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues.                                                                                                                           |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                   |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA with Mouse CD200 R1.                                                                                                                                               |
| <b>Molecular Mass</b>   | 23.5 kDa                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | QVEVVTQDERKALHTTASLRCSLKTSQEPLIVTWQKKKAVSPENMVTYSKTHGVVIQ<br>PAYKDRINVTELGLWNSSITFWNTTLEDEGCYMCLFNTFGSQKVSQTACLTLYVQPI<br>VHLHYNFYFEDHLNITCSATARPAPAISSWKGTGTGIENSTESHFHSNGTTSVTSILRVK<br>DPKTQVGKEVICQVLYLGNVIDYKQSLDKG |
| <b>Endotoxin</b>        | < 1 EU/μg of protein (determined by LAL method)                                                                                                                                                                          |
| <b>Purity</b>           | > 95% by SDS-PAGE                                                                                                                                                                                                        |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE, Bioactivity                                                                                                                                            |
| <b>Storage</b>        | Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -106 centigrade. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>  | 0.25 mg/mL (determined by absorbance at 280nm)                                                                                                                   |
| <b>Storage Buffer</b> | Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol                                                                                                       |

## GENE INFORMATION

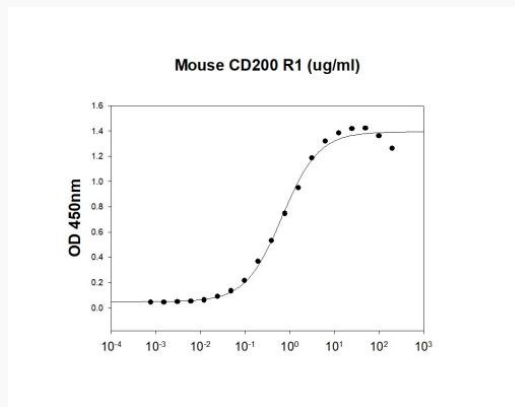
|                        |                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Cd200 CD200 antigen [ <i>Mus musculus</i> (house mouse) ]                                                                                  |
| <b>Official Symbol</b> | Cd200                                                                                                                                      |
| <b>Synonyms</b>        | Cd200; CD200 antigen; OX; Mox; OX2; Mox2; OX-2 membrane glycoprotein; MRC OX-2 antigen; antigen identified by monoclonal antibody MRC OX-2 |
| <b>Gene ID</b>         | 17470                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_010818                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_034948                                                                                                                                  |
| <b>UniProt ID</b>      | O54901                                                                                                                                     |

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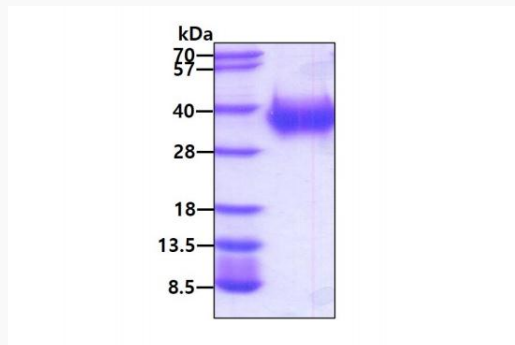
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## Biological Activity



Mouse CD200 is coated at 1 µg/mL (100 µL/well) can bind CD200 R1 in a Functional ELISA assay.

## SDS-PAGE



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