

## Active Recombinant Mouse Cd200 protein, Fc-tagged

**Cat. No.** Cd200-982M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Cd200(Gln31-Gly 232) fused with Fc tag at C-terminal was expressed in NS0.                                                                                                                                                                                      |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                             |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>        | Gln31-Gly 232                                                                                                                                                                                                                                                                     |
| <b>Predicted N Terminal</b> | Gln31 predicted                                                                                                                                                                                                                                                                   |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                               |
| <b>Bio-activity</b>         | Measured by its binding ability in a functional ELISA. When Recombinant Mouse CD200 R1 Fc Chimera is immobilized at 2 µg/mL (100 µL/well), the concentration of Recombinant Mouse CD200 Fc Chimera that produces 50% of the optimal binding response is approximately 5-30 ng/mL. |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 49 (monomer) kDa;SDS-PAGE: 65-75 kDa, reducing conditions                                                                                                                                                                                               |
| <b>Endotoxin</b>            | <0.10 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                               |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain                                                                                                                                                                                                        |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | Reconstitute at 100 µg/mL in sterile PBS.                                                                                                                                                                                                                                                       |
| <b>Shipping</b>       | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.                                                                                                                                                                         |

## GENE INFORMATION

|                            |                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Cd200 CD200 antigen [ <i>Mus musculus</i> ]                                                                               |
| <b>Official Symbol</b>     | Cd200                                                                                                                     |
| <b>Synonyms</b>            | CD200; CD200 antigen; OX-2 membrane glycoprotein; MRC OX-2 antigen; antigen identified by monoclonal MRC OX-2; OX2; Mox2; |
| <b>Gene ID</b>             | 17470                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_010818                                                                                                                 |
| <b>Protein Refseq</b>      | NP_034948                                                                                                                 |
| <b>MIM</b>                 |                                                                                                                           |
| <b>UniProt ID</b>          |                                                                                                                           |
| <b>Chromosome Location</b> | 16 29.53 cM; 16 A1                                                                                                        |

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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pathway</b>  | Adaptive Immune System, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; |
| <b>Function</b> | protein binding;                                                                                                                                                                                        |

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