# Recombinant Human CD200 Protein, Fc-tagged

**Cat. No.** CD200-134H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human CD200 protein with Fc tag was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 278 |
| **Description** | This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms. |
| **Form** | Lyophilized |
| **Molecular Mass** | 48.6 kDa |
| **AA Sequence** | MERLVIRMPFSHLSTYSLVWVMAAVVLCTAQVQVVTQDEREQLYTPASLKCSLQNA QEALIVTWQKKKAVSPENMVTFSENHGVVIQPAYKDKINITQLGLQNSTITFWNITLE DEGCYMCLFNTFGFGKISGTACLTVYVQPIVSLHYKFSEDHLNITCSATARPAPMVF WKVPRSGIENSTVTLSHPNGTTSVTSILHIKDPKNQVGKEVICQVLHLGTVTDFKQTV NKGYWFSVPLLLSIVSLVILLVLISILLYWKRHRNQDRGELSQGVQKMT |

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| **Purity** | > 98% |
| **Applications** | WB; ELISA; FACS; FC |
| **Stability** | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use. |
| **Storage** | At -20 centigrade. |
| **Concentration** | 1 mg/mL |
| **Storage Buffer** | PBS (pH 7.4-7.5). Sterile-filtered colorless solution. |
| **Reconstitution** | Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

## GENE INFORMATION

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| **Gene Name** | CD200 CD200 molecule [ Homo sapiens (human) ] |
| **Official Symbol** | CD200 |
| **Synonyms** | CD200; CD200 molecule; antigen identified by monoclonal MRC OX 2 , CD200 antigen , MOX1, MOX2; OX-2 membrane glycoprotein; MRC; OX 2; CD200 antigen; MRC OX-2 antigen; antigen identified by monoclonal MRC OX-2; MOX1; MOX2; OX-2; |
| **Gene ID** | 4345 |

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| **mRNA Refseq** | NM_001004196 |
| **Protein Refseq** | NP_001004196 |
| **MIM** | 155970 |
| **UniProt ID** | P41217 |

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