

CD200, 31-232aa, Human, hlgG-His-tag, Baculovirus

Cat.NO.: TP01486

3th Edition

Synonyms:OX-2 membrane glycoprotein isoform a, CD200, MOX1, MOX2, MRC, OX-2

Description:CD200, also known as OX-2 membrane glycoprotein isoform a, is a transmembrane immunoregulatory protein that belongs to the immunoglobulin superfamily. Its receptor (CD200R) is restricted primarily to mast cells, basophils, macrophages, and dendritic cells, which suggests myeloid cell regulation as the major function of CD200. Elevated expression of this protein has been reported to be associated with poor prognosis in a number of human malignancies. In addition, it also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion. Recombinant human CD200 protein, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:49.7kDa (444aa) 57-70KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPQVQVVTQDEREQLYTPASLKCSLQNAQEALIVTWQKKKAVSPENMVTFSENHGVVIQPAYKDKINITQLGLQN
STITFWNITLEDGECYMCLFNTFGFGKISGTACLTVYVQPIVSLHYKFSEDHLNITCSATARPAPMVFWKVPRSGIEN
STVTLSHPNGTTSVTSILHIKDPKNQVGKEVICQVLHLGTVTDFKQTVNKGLEPKSCDKTHTCPPCPAPELLGGPSV
FLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNY
KTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford Assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.