

Cd200r1, 26-238aa, Mouse, hlgG-His-tag, Baculovirus

Cat.NO.: TP01488

3th Edition

Synonyms:Cell surface glycoprotein CD200 receptor 1, Cd200r1, CD200R, Mox2r, OX2R

Description:Cd200r1, also known cell surface glycoprotein CD200 receptor 1, is an isoform of CD200 receptors which is expressed on cells of the myeloid lineage. Its inhibitory signaling pathway has been implicated in playing a prominent role in limiting inflammation in a wide range of inflammatory diseases. Its signaling inhibits the expression of proinflammatory molecules including tumor necrosis factor, interferons, and inducible nitric oxide synthase in response to selected stimuli. Recombinant mouse Cd200r1, 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:50.4kDa (455aa), 70-100kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPTDKNQTTQNNSSSPLTQVNTTVSVQIGTKALLCCFSIPLTKAVLITWIIKLRGLPSCTIAYKVDTKTNETSCLGRNI
TWASTPDHSPQLQISAVTLQHEGTYTCETVTPEGNFEKNYDLQVLVPPPEVTYFPEKNRSVAVCEAMAGKPAAQISWS
PDGDCVTTSESHSNGTVTVRSTCHWEQNNVSDVSCIVSHLTGNQSLSIELSRGGNQSLRPLEPKSCDKTHTCPPC
PAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSV
LTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWE
SNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.