
Product Data Sheet

Product Name: CD200R1 Mouse
 Cat. No.: GP23092
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cellsurface glycoprotein CD200 receptor 1; CD200 cell surface glycoprotein receptor; Cell surface glycoprotein OX2 receptor 1; Cd200r1; Mox2r; Ox2r.		
Amino Acid Sequence	ADPTDKNQTT QNNSSSPLTQVNTTVSVQIG TKALLCCFSI PLTKAVLITW IIKLRGLPSC TIAYKVDTKT NETSCLGRNI TWASTPDHSP ELQISAVTLQ HEGTYTCETV TPEGNFENY DLQVLVPEV TYFPEKNRSA VCEAMAGKPA AQISWSPDGD CVTTSESHSNGTVTVRSTCH WEQNNVSDVS CIVSHLTGNQ SLSIELSRGG NQSLRPLEPK SCDKTHTCPP CPAPELLGGPSVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIAVEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGKHHHHHH.		
Formulation	CD200R1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

CD200R1, also known as cell surface glycoprotein CD200 receptor 1, is an isoform of CD200 receptors which is expressed on cells of the myeloid lineage. CD200R1 inhibitory signaling pathway has been involved in taking a prominent role in limiting inflammation in a broad range of inflammatory diseases. CD200R1 signaling inhibits the expression of proinflammatory molecules including tumor necrosis factor, interferons, in addition to inducible nitric oxide synthase in response to selected stimuli.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD200R1 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 455 amino acids (26-238a.a.) and having a molecular mass of 50.4kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). CD200R1 is expressed with a 239 amino acid hIgG His tag at C-Terminus and purified by proprietary chromatographic techniques.

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