

Product datasheet

Recombinant human CD200 / OX2 protein (Fc Chimera) ab214617

Description

Product name	Recombinant human CD200 / OX2 protein (Fc Chimera)
Biological activity	Shows the biological function of the CD200 / OX2 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.
Purity	>= 98 % SDS-PAGE.
Endotoxin level	< 0.060 Eu/μg
Expression system	CHO cells
Accession	<u>P41217</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	QVQVVTQDEREQLYTPASLKCSLQNAQEALIVTWQKKKA VSPENMVFSE NHGVVIQPAYKDKINITQLGLQNSTITFWNITLEDEGCMCL FNTFGFGK ISGTACLTVYVQPIVSLHYKFSEDHLNITCSATARPAPMVF WKVPRSGIE NSTVTLSHPNGTTSVTSILHIKDPKNQVGKEVICQVLHLGTV TDFKQTVN KGYWFS
Predicted molecular weight	50 kDa including tags
Actual molecular weight	80 kDa including tags
Molecular weight information	The predicted molecular mass is ~50 kDa due to the Fc tag. The actual MW is about 70-80 kDa in SDS-PAGE under reducing conditions. This protein is provided as a dimer due to the Fc-domain and under non-reducing conditions the dimers are visible ~150kDa.
Amino acids	31 to 236
Additional sequence information	Extracellular domain fused to the N-terminus of the Fc region of a mutant Human IgG1 (NP_005935.4).

Specifications

Our **Abpromise guarantee** covers the use of **ab214617** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized
Additional notes	Non-lytic: Acts as a long lasting fusion protein which only binds to the receptor. Mutations to the complement (C1q) and FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Constituent: 100% PBS Lyophilized from 0.2µm filtered solution. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.

General Info

Function	Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Cell membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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