

**Human CellExp CD200/OX-2, human recombinant protein**  
**CD200, MOX1, MOX2, MRC, OX-2, My033**  
**Catalog # PBV11007r****Specification**

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**Human CellExp CD200/OX-2, human recombinant protein - Product info**Primary Accession  
Calculated MW[P41217](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 23.4 kDa. The predicted N-terminus is Gln 31. DTT-reduced Protein migrates as 35-45 kDa due to glycosylation. KDa

**Human CellExp CD200/OX-2, human recombinant protein - Additional Info**Gene ID  
Gene Symbol  
**Other Names**  
CD200, MOX1, MOX2, MRC, OX-2, My0334345  
CD200Gene Source  
Source  
Assay&Purity  
Assay2&Purity2  
Recombinant  
Results

Human  
HEK293 cells  
SDS-PAGE; ≥98%  
N/A;  
Yes  
Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD200R1 at 2 µg/ml. The concentration of rhCD200 that produces 50% of the optimal binding response is approximately 0.5-16 ng/ml.

**Target/Specificity**  
CD200/OX-2**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**Format**  
Lyophilized**Storage**  
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.**Human CellExp CD200/OX-2, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Human CellExp CD200/OX-2, human recombinant protein - Images**

#### **Human CellExp CD200/OX-2, human recombinant protein - Background**

CD200 also known as OX-2 membrane glycoprotein (OX-2), is a type-1 membrane glycoprotein, which contains two immunoglobulin domains (1 Ig-like C2-type (immunoglobulin-like) domain and Ig-like V-type (immunoglobulin-like) domain), and thus belongs to the immunoglobulin superfamily. CD200 / OX-2 is widely expressed in multiple cell types. CD200 interacts with a structurally related receptor (CD200R) expressed mainly on myeloid cells and is involved in regulation of macrophage and mast cell function. OX-2 / CD200 and CD200R associate via their respective N-terminal Ig-like domains. CD200 also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion.

#### **Human CellExp CD200/OX-2, human recombinant protein - References**

Hou Z.F.,et al.Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.  
Mao Y.M.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Otsuki T.,et al.DNA Res. 12:117-126(2005).  
Muzny D.M.,et al.Nature 440:1194-1198(2006).