

Human CellExp™ CD200/OX-2, human recombinant

CATALOG #: 7384-10 10 µg
7384-50 50 µg

ALTERNATE NAMES: CD200, MOX1, MOX2, MRC, OX-2, My033

SOURCE: HEK 293 cells (Gln 31 –Gly 232)

PURITY: ≥ 98% by SDS-PAGE gel

MOL. WEIGHT: 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.

ENDOTOXIN LEVEL: <1 EU/µg by LAL method

FORM: Lyophilized

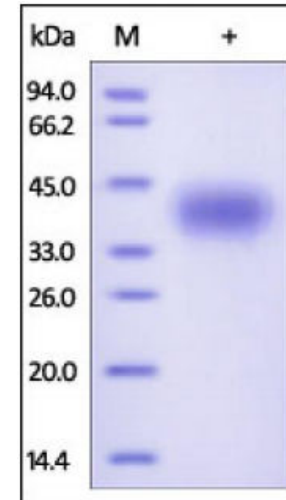
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: 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.

DESCRIPTION: 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.

BIOLOGICAL ACTIVITY: 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.



Human recombinant CD200/OX-2

RELATED PRODUCTS:

- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)
- Human CellExp™ CD304, human recombinant (Cat. No. 7375-10)
- Human CellExp™ CD319, human recombinant (Cat. No. 7376-10, -50)
- Human CellExp™ CD306, human recombinant (Cat. No. 7377-10, -50)
- Human CellExp™ CD84, human recombinant (Cat. No. 7378-10, -50)
- Human CellExp™ CD111, human recombinant (Cat. No. 7379-10, -50)
- Human CellExp™ CD48, human recombinant (Cat. No. 7380-10, -50)

FOR RESEARCH USE ONLY! Not to be used in humans.