

Product Information

MemDX™ Membrane Protein Human CD200 (CD200 molecule) Expressed in CHO for Antibody Discovery, Partial (1-232aa)

Cat. No.: **MPX0497K**

This product is for research use only and is not intended for diagnostic use.

This product is a 23 kDa Human CD200 membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD200

Protein Length

Partial (1-232aa)

Protein Class

Receptor

Molecular Weight

23 kDa

TMD

1

Sequence

MERLVIRMPFSLSTYSLVWVMAAVVLCTAQVQVVTQDEREQLYTPASLK
CSLQNAQEALIVTWQKKKAVSPENMVTFSENHGCVIQQPAYKDKINITQLG
LQNSTITFWNITLEDGECYMCLFNTFGFGKISGTACLTYYVQPIVSLHYK
FSEDHLNITCSATARPAPMVFWKVPRSGIENSTVTLSHPNGTTSVTSILH
IKDPKNQVGKEVICQVLHLGTVTDFKQTVNKG

Product Description

Activity

Yes

Expression Systems

CHO

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 µg/mL in PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD200

Full Name

CD200 molecule

Introduction

This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms.

Alternative Names

CD200; MRC; MOX1; MOX2; OX-2; OX-2 membrane glycoprotein; CD200 antigen; antigen identified by monoclonal antibody MRC OX-2; CD200 molecule

Gene ID

[4345](#)

UniProt ID

[P41217](#)