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# Product Information

## MemDX™ Membrane Protein Human CD200 (CD200 molecule) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX3766K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human CD200 membrane protein expressed *in vitro E.coli* expression system. 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**
Full Length of Mature Protein

**Protein Class**
Receptor

**TMD**
1

**Sequence**
QVQVVTQDEREQLYTPASLKCSLQNAQEALIVTWQKKKAVSPENMVTFSENHGVVIQPAYKDKINITQLGLQNSTITFWNITLEDEG

## Product Description

**Expression Systems**
*in vitro E.coli* expression system

**Tag**
10xHis tag at the N-terminus

**Protein Format**
Soluble

**Form**
Liquid or Lyophilized powder

**Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### 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