

# Product Information

## MemDX™ Membrane Protein Human CD200 (CD200 molecule)

Cat. No.: **MP0237J**

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

This product is a 30.2 kDa Human CD200 membrane protein expressed in HEK293T. 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

#### Protein Class

Transmembrane

#### Molecular Weight

30.2 kDa

#### TMD

1

#### Sequence

MERLVIRMPFCHLSTYSLVWVMAAVVLCTAQVQVVTQDEREQLYTPASLKCSLQNAQEALIVTWQKKKAV  
SPENMVTFSENHGVVIQPAYKDKINITQLGLQNSTITFWNITLEDGECYMCLFNTFGFGKISGTACLTIVY  
VQPIVSLHYKFSEDHLNITCSATARPAPMVFWKVPRSGIENSTVTLSHPNGTTSVTSILHIKDPKNQVGK  
EVICQVLHLGTVTDFKQTVNKGWFSVPLLLSIVSLVILLVLISILLYWKRHRNQDREP

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Liquid

#### Purification

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**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**

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

**Gene ID**

[4345](#)

**UniProt ID**

[P41217](#)