

# Product Information

## MemDX™ Membrane Protein Human CD47 (CD47 molecule) for Antibody Discovery

Cat. No.: **MP1305J**

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

This product is a 35.21 kDa Human CD47 membrane protein expressed in HEK293. 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

CD47

#### Protein Length

Partial (19-141aa)

#### Protein Class

Druggable Genome, Transmembrane

#### Molecular Weight

35.21 kDa

#### TMD

5

#### Sequence

MWPLVAALLLGSACCGSAQLLFNKTKSVEFTFCNDTVVIPCFTVNMEAQNTTEVYVKWKFKGRDIYTFDG  
ALNKSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTCEVTELTREGETIIEELKYRVVSWFSPN  
ENILVIFPIFAILLFWGQFGIKTLKYRSGGMDEKTIALLVAGLVITVIVIVGAILFVPGEYSLKNATGL  
GLIVTSTGILILLHYYVFSTAIGLTSFVIAILVIQVIAYILAVVGLSLCIAACIPMHGPLLISGLSILAL  
AQLLGLVYMKFVASNQKTIQPPRKAVEEPLNAFKESKGMMNDE

### Product Description

#### Expression Systems

HEK293

#### Tag

C-DDK/His

#### Form

Liquid

**Purity**

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

**Buffer**

PBS, pH7.4, 10% glycerol

**Storage**

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

**Target****Target Protein**

CD47

**Full Name**

CD47 molecule

**Introduction**

This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene.

**Alternative Names**

IAP; OA3; MER6; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); Rh-related antigen; antigen identified by monoclonal antibody 1D8; antigenic surface determinant protein OA3; integrin associated protein

**Gene ID**

[961](#)

**UniProt ID**

[Q08722](#)