

# Product Information

## MemDX™ Antibody Discovery - Human CD47 (19-139) Membrane Protein, Partial, -His tag

Cat. No.: **MP1161F**

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

This membrane protein is Human CD47 (19-139). It has been tested in SDS-PAGE, ELISA, SPR, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Human

#### Target Protein

CD47

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 15.6 kDa. The protein migrates as 33-44 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### Sequence

AA Gln 19 - Pro 139 (Accession # NP\_942088).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, ELISA, SPR, BLI

#### Expression Systems

HEK293

#### Tag

His tag at the C-terminus

#### Protein Format

Soluble

#### Form

LYOPH

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

**Endotoxin**

<1.0 EU/μg by the LAL method

**Purity**

>95% as determined by SDS-PAGE.

**Buffer**

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

**Storage**

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage 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; leukocyte surface antigen CD47; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); CD47 glycoprotein; Rh-related antigen; antigen identified by monoclonal antibody 1D8; antigenic surface determinant protein OA3; integrin associated protein; integrin-associated signal transducer

**Gene ID**

[961](#)

**UniProt ID**

[Q08722](#)