

# Product Information

## MemDX™ Antibody Discovery - Rat CD47 (19-140) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1156F**

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

This membrane protein is Rat CD47 (19-140). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Rat

#### Target Protein

CD47

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 40.4 kDa. As a result of glycosylation, the protein migrates as 50-66 kDa under reducing (R) condition, and 100-130 kDa under non-reducing (NR) condition (SDS-PAGE).

#### Sequence

AA Gln 19 - Lys 140 (Accession # P97829).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, ELISA

#### Expression Systems

HEK293

#### Tag

Human IgG1 Fc 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 Tris with Glycine, Arginine and NaCl, pH7.5. 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**

protein that may be involved in regulating renal cell growth; overexpression is associated with Fe-NTA-induced renal damage and tumor progression and metastasis

**Alternative Names**

Itgp; leukocyte surface antigen CD47; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); IAP; integrin-associated protein

**Gene ID**

[29364](#)

**UniProt ID**

[P97829](#)