

Product Information

MemDX™ Antibody Discovery - Human CD47 (19-139) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1162F**

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, SEC-HPLC, BLI, FACS. 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 40.4 kDa. The protein migrates as 55-66 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, SEC-HPLC, BLI, FACS

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 50 mM Tris, 100 mM Glycine, 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

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](#)