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Product Information

MemDX™ Antibody Discovery - Cynomolgus / Rhesus macaque CD47 (19-141) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1158F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Cynomolgus / Rhesus macaque CD47 (19-141). 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
Cynomolgus / Rhesus macaque

Target Protein
CD47

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 40.5 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 - Glu 141 (Accession # F7A802-1).

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 coditions 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

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

Gene ID

704980

UniProt ID

F7A802