

Product Information

MemDX™ Antibody Discovery - Human / Cynomolgus / Rhesus macaque CD28 (19-152)

Membrane Protein, Partial, -His tag

Cat. No.: **MP1230F**

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

This membrane protein is Human / Cynomolgus / Rhesus macaque CD28 (19-152). It has been tested in SDS-PAGE, ELISA, SEC-SEC-MALS, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human / Cynomolgus / Rhesus macaque

Target Protein

CD28

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 17.0 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Asn 19 - Pro 152 (Accession # P10747-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA, SEC-SEC-MALS, 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

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

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**

CD28

Full Name

CD28 molecule

Introduction

The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

Tp44; T-cell-specific surface glycoprotein CD28

Gene ID

[940](#)

UniProt ID

[P10747](#)