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Product Information

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

Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1231F**
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-HPLC, BLI, SPR. 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 41.6 kDa. The protein migrates as 55-66 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-HPLC, BLI, SPR

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.
>90% as determined by SEC-HPLC.

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

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