

Product Information

MemDX™ Antibody Discovery - Mouse CD28 (20-149) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1234F**

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

This membrane protein is Mouse CD28 (20-149). 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

Mouse

Target Protein

CD28

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 41.7 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Asn 20 - Lys 149 (Accession # NP_031668.3).

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

>90% 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

CD28

Full Name

CD28 antigen

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

CD28, CD28 antigen, T-cell-specific surface glycoprotein CD28,

Gene ID

[12487](#)

UniProt ID

[P31041](#)