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Product Information

MemDX™ Antibody Discovery - Human B7-2 / CD86 (26-247) Membrane Protein, Partial, - hIgG1 Fc tag

Cat. No.: **MP1027F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human B7-2 / CD86 (26-247). It has been tested in SDS-PAGE, FACS, ELISA, BLI, SPR. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
B7-2 / CD86

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 51.5 kDa. As a result of glycosylation, the protein migrates as 66-86 kDa under reducing (R) condition, and 120-140 kDa under non-reducing (NR) condition (SDS-PAGE).

Sequence
AA Leu 26 - Pro 247 (Accession # AAH40261).

Product Description

Activity
Yes

Application
SDS-PAGE, FACS, ELISA, 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.

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

B7-2 / CD86

Full Name

CD86 molecule

Introduction

This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.

Alternative Names

B70; B7-2; B7.2; LAB72; CD28LG2; T-lymphocyte activation antigen CD86; B-lymphocyte activation antigen B7-2; BU63; CD86 antigen (CD28 antigen ligand 2, B7-2 antigen); CTLA-4 counter-receptor B7.2; FUN-1

Gene ID

942

UniProt ID

P42081

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