

Product Information

MemDX™ Antibody Discovery - Mouse B7-2 / CD86 (24-245) Membrane Protein, Partial, -His tag

Cat. No.: **MP1022F**

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

This membrane protein is Mouse B7-2 / CD86 (24-245). 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

B7-2 / CD86

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 27.1 kDa. The protein migrates as 40-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Val 24 - Glu 245 (Accession # NP_062261.3).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

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

>95% as determined by SDS-PAGE.

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

B7-2 / CD86

Full Name

CD86 antigen

Introduction

Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. Also involved in the regulation of B cells function, plays a role in regulating the level of IgG1 produced. Upon CD40 engagement, activates NF-kappa-B signaling pathway via phospholipase C and protein kinase C activation (PubMed:23241883).

Alternative Names

B7; B70; Ly5; MB7; B7-2; B7.2; CLS1; Ly-5; Ly58; Cd28l; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2; T-lymphocyte activation antigen CD86; activation B7-2 antigen; early T cell costimulatory molecule-1

Gene ID

[12524](#)

UniProt ID

[P42082](#)