

Product Information

MemDX™ Membrane Protein Human CD86 (CD86 molecule) expressed in CHO for Antibody Discovery

Cat. No.: **MP0058Q**

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

This product is a 51.2 kDa Human CD86 membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD86

Protein Length

Partial

Protein Class

Druggable Genome, Transcription Factors, Transmembrane

Molecular Weight

51.2 kDa

TMD

1

Sequence

LKIQAYFNETADLPCQFANSQNQSLSELVVFWQDQENLVLEVYLGKEKFDSVHSKYMGRTSFDSDSWTLRLHNLQIKDKGLYQCI
CSVMEALHNHYTQKSLSLSPGK

Product Description

Expression Systems

CHO

Form

Powder

Endotoxin

< 1 EU/µg

Purity

>95% pure by SDS-PAGE and HPLC analyses

Buffer

Lyophilized purified protein

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

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

B7-2; B7.2; B70; CD28LG2; LAB72; 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; Activation B7-2 antigen; CD86

Gene ID

[942](#)

UniProt ID

[P42081](#)