

Product Information

MemDX™ Membrane Protein Human CD80 (CD80 molecule) Expressed in CHO for Antibody Discovery, Partial (35-242aa)

Cat. No.: **MPX0548K**

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

This product is a 25 kDa Human CD80 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

CD80

Protein Length

Partial (35-242aa)

Protein Class

Receptor

Molecular Weight

25 kDa

TMD

1

Sequence

VIHVTKEVKEVATLSC
GHNVSVEELAQTRIWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLS
IVILALRPSDEGTYECVVLKYEKDAFKREHLAEVTLVKADFPTPSISDF
EIPTSNIRRIICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYAV
SSKLDNFMTTNHSFMCLIKYGHLRVNQTFNWNNTTKQEHFPDN

Product Description

Activity

Yes

Expression Systems

CHO

Tag

6xHis and Avi tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 µg/mL in PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD80

Full Name

CD80 molecule

Introduction

The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.

Alternative Names

CD80; B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1; T-lymphocyte activation antigen CD80; B-lymphocyte activation antigen B7; CD80 antigen (CD28 antigen ligand 1, B7-1 antigen); CTLA-4 counter-receptor B7.1; activation B7-1 antigen; costimulatory factor CD80; costimulatory molecule variant IgV-CD80; CD80 molecule

Gene ID

[941](#)

UniProt ID

[P33681](#)