

Product Information

MemDX™ Recombinant Human CD80 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX78**

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

This product is recombinant Human CD80 in VLPs form. This product is produced from HEK293 by co-expressing the retroviral structural core polyprotein (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

Product Specifications

Host Species

Human

Target Protein

CD80

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

VIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGTYESVVLKYE

Product Description

Application

ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

Expression Systems

HEK293 expression system

Tag

10xHis tag at the C-terminus

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Buffer

PBS, 6% Trehalose, pH 7.4

Storage

The product should be stored at -20°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](#)