

# Product Information

## MemDX™ Membrane Protein Human CD80 (CD80 molecule) expressed in CHO for Antibody

### Discovery

Cat. No.: **MP0044Q**

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

This product is a 50.0 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

Full-length

#### Protein Class

Druggable Genome, Transcription Factors, Transmembrane

#### Molecular Weight

50.0 kDa

#### TMD

1

#### Sequence

VIHVTKEVKEVATLSCGHNVSVEELAQTRIWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGTYESCVVLKYE

### Product Description

#### Expression Systems

CHO

#### Form

Powder

#### Endotoxin

<1 EU/μg

#### Purity

>95% pure by SDS-PAGE and HPLC analyses

**Buffer**

Lyophilized purified protein from 10mM Sodium Phosphate, pH 7.5

**Storage**

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

**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**

B7; B7-1; B7.1; BB1; CD28LG; CD28LG1; LAB7; 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

**Gene ID**

[941](#)

**UniProt ID**

[P33681](#)