

## Product Information

### MemDX™ Membrane Protein Human CD80 (CD80 molecule) expressed in CHO with HPLC analyses for Antibody Discovery

Cat. No.: **MP0059Q**

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

Partial

##### Protein Class

Druggable Genome, Transcription Factors, Transmembrane

##### Molecular Weight

50.0 kDa

##### TMD

1

##### Sequence

VIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMMSGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGTYECVVLKYE

#### 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**

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; Activation B7-1 antigen; CTLA-4 counter-receptor B7.1; CD80; CD80 antigen (CD28 antigen ligand 1, B7-1 antigen); costimulatory factor CD80; costimulatory molecule variant IgV-CD80

#### **Gene ID**

[941](#)

#### **UniProt ID**

[P33681](#)