

Product Information

Recombinant Anti-Human CD80 Antibody Fab Fragment

Cat. No.: **MOM-18215-F(E)**

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

Product Overview

Recombinant Chimeric (primate/human) Antibody Fab Fragment specifically binds to Human CD80, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor.

Specific Activity

Tested positive against native antigen.

Target

CD80

Immunogen

CD80-transfected CHO cell line.

Source

Chimeric (primate/human)

Species Reactivity

Human

Type

Fab Fragment based on Chimeric (primate/human) IgG1 - lambda

Expression Host

CHO

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

At -20°C for one year.

ANTIGEN GENE INFORMATION

Gene Name

[CD80 CD80 molecule \[Homo sapiens \]](#)

Official Symbol

CD80

Synonyms

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

Gene ID

[941](#)

mRNA Refseq

[NM_005191](#)

Protein Refseq

[NP_005182](#)

MIM

[112203](#)

UniProt ID

P33681

Chromosome Location

3q13.3-q21

Pathway

Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CD28 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific biosystem;

Function

coreceptor activity; protein binding; receptor activity;