

For Research Use Only

CD80 Monoclonal antibody, PBS Only

Catalog Number: 66406-1-PBS



Basic Information

Catalog Number:

66406-1-PBS

Size:

4999 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5615

GenBank Accession Number:

BC042665

GeneID (NCBI):

941

UNIPROT ID:

P33681

Full Name:

CD80 molecule

Calculated MW:

33 kDa

Observed MW:

68 kDa

Purification Method:

Protein A purification

CloneNo.:

1E2F10

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, pig

Background Information

CD80 (also known as B7-1) is a type I membrane protein that is a member of the immunoglobulin superfamily, with an extracellular immunoglobulin constant-like domain and a variable-like domain required for receptor binding. It is expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, monocytes, and macrophages. CD80 is the receptor for the proteins CD28 and CTLA-4 found on the surface of T-cells. It is involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation. CD80 also acts as a cellular attachment receptor for adenovirus subgroup B. (PMID: 7545666; 12015893; 16920215)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

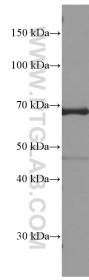
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 66406-1-Ig (CD80 / B7-1 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66406-1-PBS in a different storage buffer formulation.