For Research Use Only

CD80 Polyclonal antibody, PBS Only

Catalog Number:14292-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
14292-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5615

GenBank Accession Number:
BC042665

GeneID (NCBI):
941

UNIPROT ID:
P33681

Full Name:
CD80 molecule

Calculated MW:
33 kDa

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

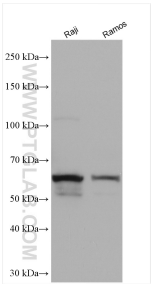
CD80 (also known as B7-1) is a type I membrane protein that is a member of the immunoglobulin superfamily, with an extracellular immunoglobulin constant-like domain and a variable-like domain required for receptor binding. It is expressed on antigen-presenting cells (APCs), including B cells, dendritic 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, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14292-1-AP (CD80/B7-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14292-1-PBS in a different storage buffer formulation.