CD80 Recombinant antibody, PBS Only

Catalog Number:83198-4-PBS

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Basic Information

Catalog Number:
83198-4-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_005191

GeneID (NCBI):
941

UNIPROT ID:
P33681

Full Name:
CD80 molecule

Purification Method:
Protein A purification

CloneNo.:
242913H3

Applications

Tested Applications:
IF/ICC, Indirect ELISA

Species Specificity:
human

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:
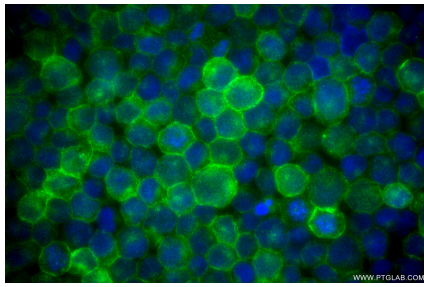Store at -80℃.
Storage Buffer:
PBS Only

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD80 antibody (83198-4-RR, Clone: 242913H3) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83198-4-PBS in a different storage buffer formulation.