

For Research Use Only

# CD80 Recombinant antibody

Catalog Number: 83198-4-RR



## Basic Information

<b>Catalog Number:</b> 83198-4-RR	<b>GenBank Accession Number:</b> NM_005191	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 941	<b>CloneNo.:</b> 242913H3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P33681	<b>Recommended Dilutions:</b> IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> CD80 molecule	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : Raji cells,
<b>Species Specificity:</b> 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

T: 4006900926

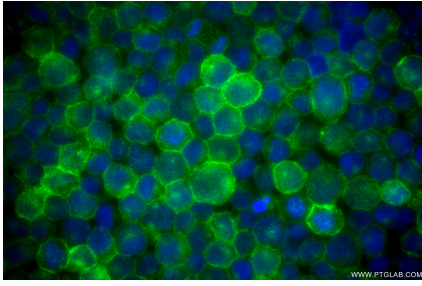
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## Selected Validation Data



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).