

For Research Use Only

CD80/B7-1 Monoclonal antibody, PBS Only



Catalog Number: 66406-1-PBS

Basic Information

Catalog Number: 66406-1-PBS	GenBank Accession Number: BC042665	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 941	CloneNo.: 1E2F10
Source: Mouse	UNIPROT ID: P33681	
Isotype: IgG1	Full Name: CD80 molecule	
Immunogen Catalog Number: AG5615	Calculated MW: 33 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications:
WB, IHC, 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.

Storage Buffer:
PBS only

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

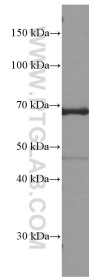
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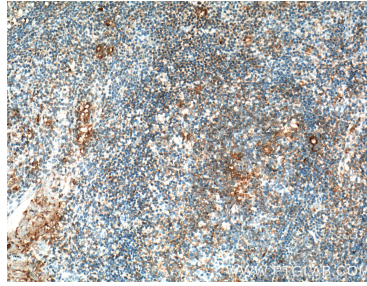
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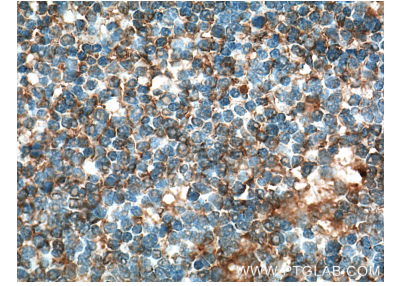
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66406-1-Ig (CD80 / B7-1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66406-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66406-1-Ig (CD80 / B7-1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66406-1-PBS in a different storage buffer formulation.