

CD80 Rabbit mAb

Catalog No: #49409

Package Size: #49409-1 50ul #49409-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

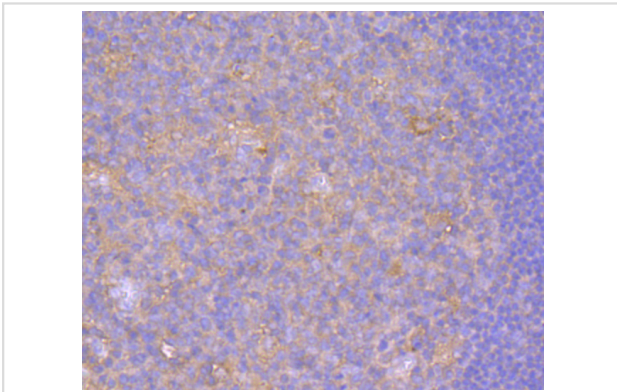
Description

Product Name	CD80 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF100-4
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Activation B7-1 antigen antibody B lymphocyte activation antigen B7 antibody B7 antibody B7-1 antibody B7-1 antigen antibody B7.1 antibody BB1 antibody CD28 antigen ligand 1 antibody CD28LG antibody CD28LG1 antibody CD80 antibody CD80 antigen (CD28 antigen ligand 1, B7-1 antigen) antibody CD80 antigen antibody CD80 molecule antibody CD80_HUMAN antibody Costimulatory factor CD80 antibody costimulatory molecule variant IgV-CD80 antibody CTLA-4 counter-receptor B7.1 antibody LAB7 antibody T-lymphocyte activation antigen CD80 antibody
Accession No.	Swiss-Prot#:P33681
Uniprot	P33681
GeneID	941;
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1000 IHC: 1:50-1:100

Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD80 antibody. Counter stained with hematoxylin.

Background

T cell proliferation and lymphokine production are triggered by occupation of the TCR by antigen, followed by a costimulatory signal that is delivered by a ligand expressed on antigen presenting cells. The B7-related cell surface proteins CD80 (B7-1) and CD86 (B7-2) are expressed on antigen presenting cells, bind the homologous T cell receptors CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and CD28 and trigger costimulatory signals for optimal T cell activation. CTLA-4 shares 31% overall amino acid identity with CD28 and it has been proposed that CD28 and CTLA-4 are functionally redundant. SLAM is a novel receptor on T cells that, when engaged, potentiates T cell expansion in a CD28-independent manner. B7, also designated BB1, is another ligand or counterreceptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.

References

Note: This product is for in vitro research use only