

For Research Use Only

CD86 (C-terminal) Polyclonal antibody

Catalog Number: 26903-1-AP

30 Publications



Basic Information

Catalog Number: 26903-1-AP	GenBank Accession Number: BC040261	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 942	Recommended Dilutions: WB 1:500-1:3000 IHC 1:200-1:800 IF-Fro 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000114013	
Isotype: IgG	UNIPROT ID: P42081	
Immunogen Catalog Number: AG25432	Full Name: CD86 molecule	
	Calculated MW: 329 aa, 38 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications: WB, IHC, IF-Fro, ELISA	Positive Controls: WB: Daudi cells, Raji cell, Ramos cells IHC: human tonsillitis tissue, IF-Fro: mouse brain tissue,
Cited Applications: WB, IHC, IF	
Species Specificity: human	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CD86 (also known as B7.2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response.

Notable Publications

Author	Pubmed ID	Journal	Application
Pei Yang	33576871	Cancer Immunol Immunother	WB
Guoxiang Zhou	36030656	Biochem Biophys Res Commun	WB
Yaping Shan	35992343	Front Bioeng Biotechnol	IF

Storage

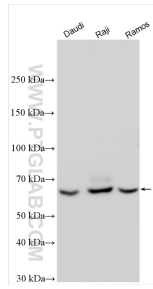
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

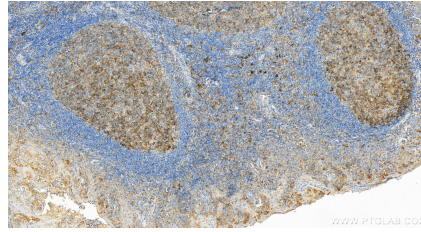
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

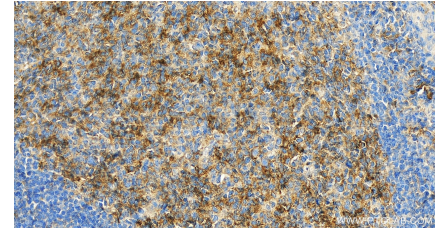
Selected Validation Data



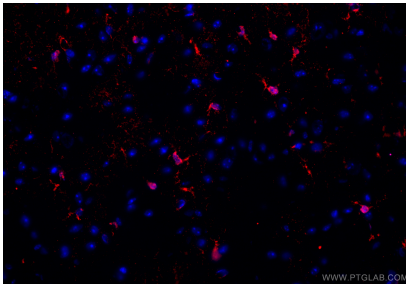
Various lysates were subjected to SDS PAGE followed by western blot with 26903-1-AP (CD86 (C-terminal) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26903-1-AP (CD86 (C-terminal) antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26903-1-AP (CD86 (C-terminal) antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using CD86 (C-terminal) antibody (26903-1-AP) at dilution of 1:200 and CoralLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).