

For Research Use Only

CD86 Polyclonal antibody

Catalog Number: 13395-1-AP **143 Publications**



Basic Information

Catalog Number: 13395-1-AP	GenBank Accession Number: BC040261	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 942	Recommended Dilutions: WB 1:1000-1:4000 IF 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000114013	
Isotype: IgG	UNIPROT ID: P42081	
Immunogen Catalog Number: AG4063	Full Name: CD86 molecule	
	Calculated MW: 329 aa, 38 kDa	
	Observed MW: 60-80 kDa	

Applications

Tested Applications: WB, IF, FC, ELISA	Positive Controls:
Cited Applications: WB, IF, FC, Cell treatment	WB : Daudi cells, Raji cells, Ramos cells, RAW 264.7 cells
Species Specificity: human, mouse	IF : raji cells,
Cited Species: human, rat, mouse	

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. This antibody detects a band of approximately 65-70 kDa, consistent with glycosylated form of CD86 (PMID: 8592066, 21849678).

Notable Publications

Author	Pubmed ID	Journal	Application
Liping Xu	36179453	Tissue Cell	
Qiong Tang	36108436	Ecotoxicol Environ Saf	WB
Bo Zhang	32917854	Cell Death Dis	WB

Storage

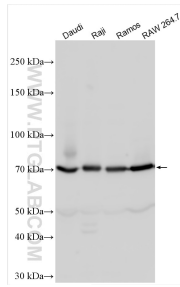
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

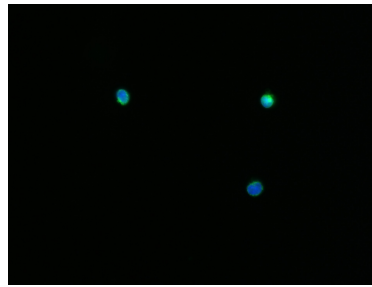
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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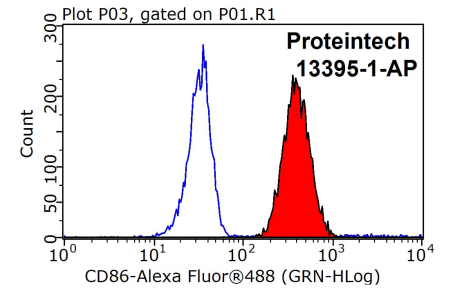
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13395-1-AP (CD86 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD86 antibody (13395-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ Raji cells were stained with 0.2ug CD86 antibody (13395-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.