

CD86 Polyclonal antibody

Catalog Number: 13395-1-AP

132 Publications

Basic Information

Catalog Number:

13395-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4063

GenBank Accession Number:

BC040261

GeneID (NCBI):

942

ENSEMBL Gene ID:

ENSG00000114013

UNIPROT ID:

P42081

Full Name:

CD86 molecule

Calculated MW:

329 aa, 38 kDa

Observed MW:

60-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, WB, ELISA

Cited Applications:

Cell treatment, FC, IF, WB

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse

Positive Controls:

WB : Daudi cells, Raji cells, Ramos cells, RAW 264.7 cells

IF : raji cells,

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

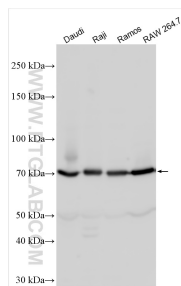
For technical support and original validation data for this product please contact:

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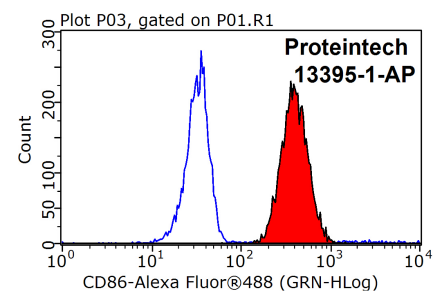
Selected Validation Data



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.