

CD86 Polyclonal Antibody

Catalog number: 13395-1-AP

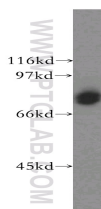
Size: 28 µg/150 µl

Source: Rabbit

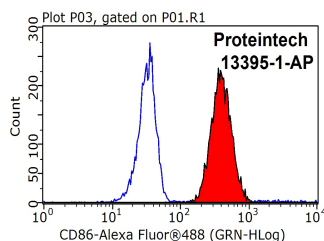
Isotype: IgG

Synonyms:

CD86; Activation B7 2 antigen,
B7 2, B70, BU63, CD28LG2,
CD86, CD86 molecule, CTLA 4
counter receptor B7.2, FUN 1,
LAB72



Jurkat cells were subjected to SDS PAGE followed by western blot with 13395-1-AP (CD86 antibody) at dilution of 1:500



1X10⁶ Raji cells were stained with 0.2 µg 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.

Background

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 70 kDa, consistent with glycosylated form of CD86 (PMID: 8592066, 21849678).

Applications

Tested applications:	ELISA, WB, FC
Species specificity:	Human; other species not tested.
Calculated CD86 MW:	329aa, 38 kDa
Observed CD86 MW:	70 kDa
Positive WB detected in	Jurkat cells, Raji cells
Positive FC detected in	Raji cells
Recommended dilution:	WB: 1:200-1:2000 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4063
GenBank accession number:	BC040261
Gene ID (NCBI):	942
Full name:	CD86 molecule

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.