

Rabbit anti-Human CD86 Polyclonal Antibody | anti-CD86 antibody

CD86 Antibody

CATALOG # AAA40870	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
------------------------------	-----------------------	----------------------------	--

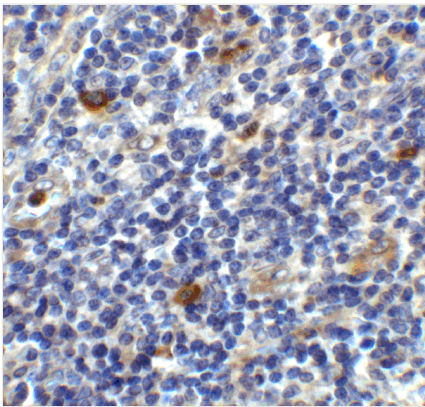
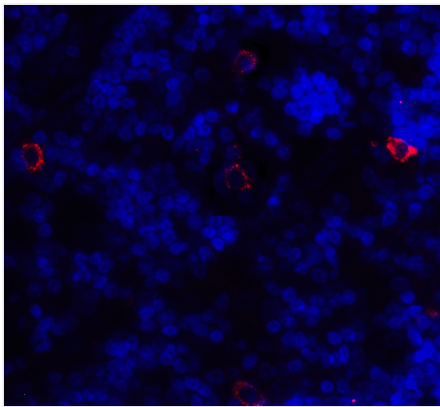
PRODUCT SYNONYMS

CD86; Polyclonal Antibody; CD86 Antibody; CD86 molecule; B70; B7-2; B7.2; LAB72; CD28LG2; anti-CD86 antibody

PRODUCT SPECIFICATIONS

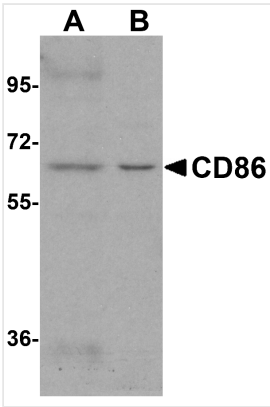
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	At least five isoforms of CD86 are known to exist; this antibody will detect all five isoforms.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	329
Applicable Applications for anti-CD86 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CD86 antibody was raised against a peptide corresponding to 17 amino acids near the center of human CD86. The immunogen is located within amino acids 160 - 210 of CD86.
Buffer	CD86 Antibody is supplied in PBS containing 0.02% sodium azide.
Species	Human
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of CD86 in human lymph node tissue with CD86 antibody at 20 μg/ml. Red: CD86 Antibody (8681) Blue: DAPI staining

IHC (Immunohiostchemistry)
Immunohistochemistry of CD86 in human lymph node tissue with CD86 antibody at 2 μg/ml.



WB (Western Blot)
Western blot analysis of CD86 in (A) Daudi and (B) Raji cell lysate with CD86 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CD86 antibody	CD86, also known as B7-2, is a type I membrane protein that is a member of the immunoglobulin superfamily. Like the related protein CD80, this protein is expressed by antigen-presenting cells, and is the ligand for two proteins at the cell surface of T cells, CD28 and the cytotoxic T-lymphocyte-associated protein 4 (CTLA-4). Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell and induces T-cell proliferation and cytokine production. CTLA-4 binding negatively regulates T-cell activation and diminishes the immune response (1). Blocking the CTLA-4-CD80/CD86 interaction has been shown to enhance T-cell functions in acute lymphoblastic leukemia (ALL), suggesting that this pathway may be an attractive target for future cancer immunotherapy (2).
Product Categories/Family for anti-CD86 antibody	Cell Cycle; Cancer; Immunology; Immune Checkpoint
References	1. Lane P. Regulation of T and B cell responses by modulating interactions between CD28/CTLA-4 and their ligands, CD80 and CD86. Ann NY Acad Sci 1997; 815:392-400. 2. Feucht J, Kayser S, Gorodezki D, et al. T-cell responses against CD19+ pediatric acute lymphoblastic leukemia mediated by bispecific T-cell engager (BiTE) are regulated contrarily by PD-L1 and CD80/CD86 on leukemic blasts. Oncotarget 2016; 7:76902-19.

NCBI AND UNIPROT INFORMATION

NCBI GI #	332634934
NCBI GeneID	942
NCBI Accession #	NP_787058

NCBI GenBank Nucleotide #	NM_175862.4
UniProt Accession #	P42082 ; Q13655 ; Q6FHB1 ; Q6GTS4 ; Q7M4L5 ; A0N0P0 ; B7Z2F3 ; B7Z702 ; E7ETN5 ; E9PC27 ; P42081
Molecular Weight	Predicted: 36 kDa Observed: 68 kDa
NCBI Official Full Name	T-lymphocyte activation antigen CD86 isoform 1
NCBI Official Synonym Full Names	CD86 molecule
NCBI Official Symbol	CD86
NCBI Official Synonym Symbols	B70; B7-2; B7.2; LAB72; CD28LG2
NCBI Protein Information	T-lymphocyte activation antigen CD86
UniProt Protein Name	T-lymphocyte activation antigen CD86
UniProt Gene Name	CD86
UniProt Synonym Gene Names	CD28LG2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/cd86-antibody-western-blot-elisa/40870>