

Rabbit anti-Human CD80 Polyclonal Antibody | anti-CD80 antibody

CD80 Antibody (C-term)

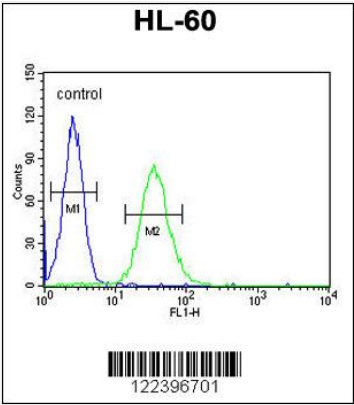
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284350	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

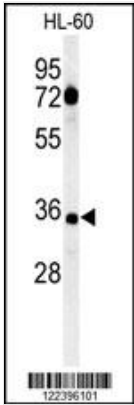
CD80; Polyclonal Antibody; CD80 Antibody (C-term); T-lymphocyte activation antigen CD80; Activation B7-1 antigen; BB1; CTLA-4 counter-receptor B71; B7; CD28LG; CD28LG1; LAB7; anti-CD80 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD80 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 260-288 amino acids from the C-terminal region of human CD80.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	260-288
Sequence Length	162
Applicable Applications for anti-CD80 antibody	ELISA, FCM/FACS (Flow Cytometry)
Function	Involved in the costimulatory signal essential for T- lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation
Cellular location	Membrane; Single-pass type I membrane protein
Tissue location	Expressed on activated B-cells, macrophages and dendritic cells
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CD80 Antibody (C-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of CD80 Antibody (C-term) in HL-60 cell line lysates (35ug/lane).CD80 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CD80 antibody	CD80 is activation antigen B7-1 (formerly referred to as B7) provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 (MIM 186760) and CTLA4 (MIM 123890) ligands of T cells.
Product Categories/Family for anti-CD80 antibody	Immunology; Microbiology; Signal Transduction
References	Mosbruger, T.L., et al. J. Infect. Dis. 201(9):1371-1380(2010) Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010) Segat, L., et al. J. Gastroenterol. Hepatol. 24(12):1840-1846(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885123
NCBI GeneID	941
NCBI Accession #	NP_005182.1
NCBI GenBank Nucleotide #	NM_005191.3
UniProt Accession #	P33681; Q5DTA9; Q5DTB0
NCBI Official Full Name	T-lymphocyte activation antigen CD80
NCBI Official Synonym Full Names	CD80 molecule
NCBI Official Symbol	CD80
NCBI Official Synonym Symbols	B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1
NCBI Protein Information	T-lymphocyte activation antigen CD80
UniProt Protein Name	T-lymphocyte activation antigen CD80
UniProt Gene Name	CD80
UniProt Synonym Gene Names	CD28LG; CD28LG1; LAB7; B7
UniProt Entry Name	CD80_HUMAN

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.

