

anti-Mouse, Dog CD80 Monoclonal Antibody | anti-CD80 antibody

Anti-Ms CD80 Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128274	Armenian Hamster	Mouse, Dog	Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD80; Monoclonal Antibody; Anti-Ms CD80 Purified; CD80 molecule; B7-1; BB1; anti-CD80 antibody

PRODUCT SPECIFICATIONS

Host	Armenian Hamster
Reactivity	Mouse, Dog
Clonality	Monoclonal
Isotype	IgG2
Clone Number	16-10A1
Specificity	The Armenian hamster monoclonal antibody 16-10A1 reacts with an extracellular epitope of CD80 (B7-1), a 60 kDa single chain type I glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	306
Applicable Applications for anti-CD80 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	CD80-transfected CHO cell line
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD80 antibody	CD80 (B7-1) and CD86 (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112983684
NCBI GeneID	12519
NCBI Accession #	NP_033985.3
NCBI GenBank Nucleotide #	NP_033985.3
UniProt Accession #	Q00609

NCBI Official Full Name	T-lymphocyte activation antigen CD80
NCBI Official Synonym Full Names	CD80 antigen
NCBI Official Symbol	Cd80
NCBI Official Synonym Symbols	B71; Ly53; TSA1; Cd28l; Ly-53; MIC17
NCBI Protein Information	T-lymphocyte activation antigen CD80
UniProt Protein Name	T-lymphocyte activation antigen CD80
UniProt Gene Name	Cd80
UniProt Synonym Gene Names	B7; B7

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd80-antibody-clone-16-10a1-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/128274>