

CD80 recombinant antibody

Rabbit anti-CD80 Recombinant Monoclonal Antibody [BLR237K]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213653	Rabbit	Mouse	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

CD80; Monoclonal Recombinant Antibody; Rabbit anti-CD80 Recombinant Monoclonal Antibody [BLR237K]; B71; TSA1; T-lymphocyte activation antigen CD80; MIC17; Ly-53; Ly53; B7 protein; B7; activation B7-1 antigen; Cd28l; CD antigen CD80; CD80 antigen; CD80 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Clone Number	BLR237K
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free
Concentration	1000ug/ml (varies by lot)
Applicable Applications for CD80 recombinant antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Residues 37-245 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



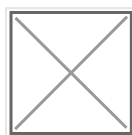
WB (Western Blot)

Detection of mouse CD80 by western blot. Samples: Whole cell lysate (50 ug) from C2C12, NIH 3T3, CH27, TCMK-1, and CT26 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD80 recombinant monoclonal antibody (AAA213653 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



ICC (Immunocytochemistry)

Detection of mouse CD80 by immunocytochemistry. Sample: FFPE section of C2C12 cells. Antibody: Rabbit anti-mCD80 recombinant monoclonal antibody (AAA213653). Secondary: HRP-conjugated goat anti-rabbit IgG .



FCM/FACS (Flow Cytometry)

Detection of mouse CD80 (shaded) in CH27 cells by flow cytometry. Antibody: Rabbit anti-CD80 recombinant monoclonal (AAA213653) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CD80 recombinant antibody	CD80 is a membrane receptor 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. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P33681].
Product Categories/Family for CD80 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	112983684
NCBI GeneID	12519
NCBI Accession #	NP_033985.3
NCBI GenBank Nucleotide #	NM_009855.2
UniProt Accession #	Q00609; Q61332
Molecular Weight	24,051 Da
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.