

Rabbit anti-Mouse CD80 Monoclonal Antibody | anti-Cd80 antibody

CD80 Rabbit mAb

CATALOG # AAA283023	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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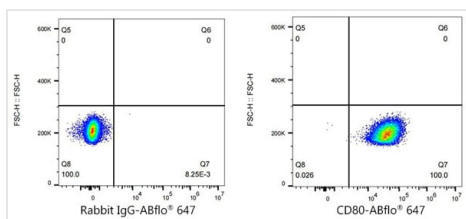
PRODUCT SYNONYMS

CD80; Monoclonal Antibody; CD80 Rabbit mAb; B71; Ly53; TSA1; Cd28I; Ly-53; MIC17; anti-Cd80 antibody

PRODUCT SPECIFICATIONS

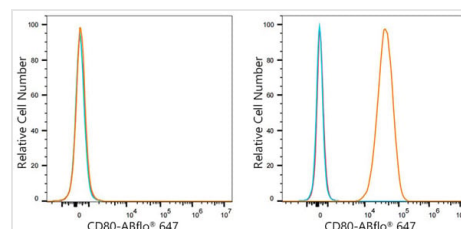
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	VDEQLSKSVK DKVLLPCRYN SPHEDESEDR IYWQKHDKVV LSVIAGKLKV WPEYKNRTLY DNTTYSLIIL GLVLSDRGTY SCVVQKKERG TYEVKHLALV KLSIKADFST PNITESGNPS ADTKRITCFA SGGFPKPRFS WLENGRELPG INTTISQDPE SELYTISSQL DFNTTRNHTI KCLIKYGDVAH VSEDFTWEKP PEDPPDSK
Applicable Applications for anti-Cd80 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 38-245 of mouse CD80(NP_033985.3)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



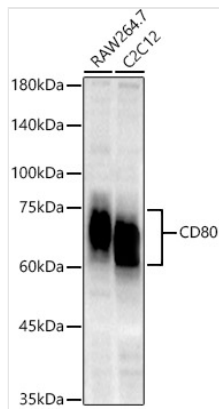
FCM/FACS (Flow Cytometry)

Flow cytometry: 1X10⁶ C2C12 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 2 ug/mL, left) or CD80 Rabbit mAb(AAA283023, 2 ug/mL, right).



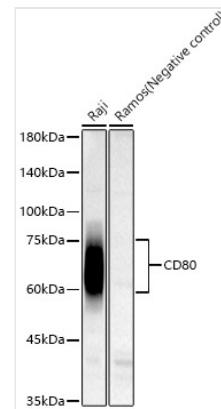
FCM/FACS (Flow Cytometry)

Flow cytometry: 1X10⁶ Neuro-2a cells(negative control,left) and C2C12 cells(right) were surface-stained with CD80 Rabbit mAb(AAA283023, 2ug/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2ug/mL, blue line). Non-fluorescently stained cells was used as blank control (red line).



WB (Western Blot)

Western blot analysis of various lysates, using CD80 Rabbit mAb (AAA283023) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



WB (Western Blot)

Western blot analysis of various lysates, using CD80 Rabbit mAb (AAA283023) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.

ADDITIONAL INFORMATION

Related Product Information for anti-Cd80 antibody	Predicted to enable coreceptor activity. Acts upstream of or within T cell costimulation; cellular response to lipopolysaccharide; and positive regulation of alpha-beta T cell proliferation. Located in external side of plasma membrane. Is expressed in heart ventricle and skin. Human ortholog(s) of this gene implicated in type 1 diabetes mellitus. Orthologous to human CD80 (CD80 molecule).
Product Categories/Family for anti-Cd80 antibody	Immunology ; Adaptive Immunity ; B Cells ; CD ; 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	Calculated MW: 34kDa Observed MW: 50-75kDa
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://www.aaabiotech.com/monoclonal/cd80-antibody-flow-cytometry-western-blot-elisa/283023>