

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

CD80 Rabbit mAb

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

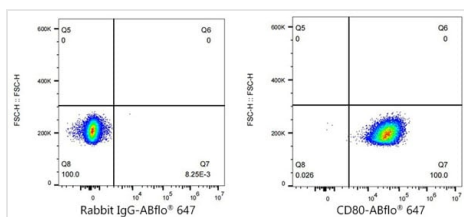
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

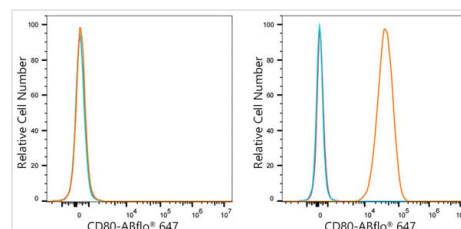
|                                                |                                                                                                                                                                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 DNTTSLIIL GLVLSDRGTY SCVVQKKERG TYEVKHLALV KLSIKADFST PNITESGNPS ADTKRITCFA SGGFPKPRFS WLENGRELPG INTTISQDPE SELYTISSQL DFNTTRNHTI KCLIKYGDH VSEDFTWKEP 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



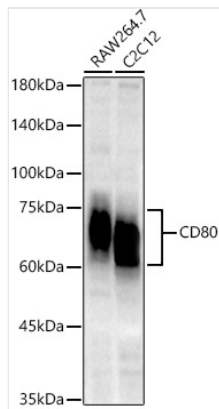
#### FCM/FACS (Flow Cytometry)

Flow cytometry:  $1 \times 10^6$  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).



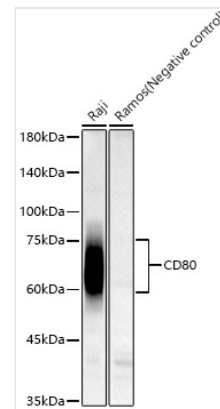
#### FCM/FACS (Flow Cytometry)

Flow cytometry:  $1 \times 10^6$  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

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-Cd80 antibody</b> | 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). |
| <b>Product Categories/Family for anti-Cd80 antibody</b>   | Immunology; Adaptive Immunity; B Cells; CD; Antibodies                                                                                                                                                                                                                                                                                                                                                  |

## NCBI AND UNIPROT INFORMATION

|                                   |                                               |
|-----------------------------------|-----------------------------------------------|
| <b>NCBI GI #</b>                  | 112983684                                     |
| <b>NCBI GeneID</b>                | 12519                                         |
| <b>NCBI Accession #</b>           | NP_033985.3                                   |
| <b>NCBI GenBank Nucleotide #</b>  | NM_009855.2                                   |
| <b>UniProt Accession #</b>        | Q00609; Q61332                                |
| <b>Molecular Weight</b>           | Calculated MW: 34kDa<br>Observed MW: 50-75kDa |
| <b>UniProt Protein Name</b>       | T-lymphocyte activation antigen CD80          |
| <b>UniProt Gene Name</b>          | <b>Cd80</b>                                   |
| <b>UniProt Synonym Gene Names</b> | 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-flow-cytometry-western-blot-elisa/283023>