

# ABflo® 647 Rabbit anti-Human CD172a/SIRPα mAb

Catalog No.: A22309

## Basic Information

### Observed MW

### Calculated MW

55kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC55236

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family. These related genes are located in close proximity to each other on chromosome 20p13. Multiple alternatively spliced transcript variants have been determined for this gene.

## Immunogen Information

### Gene ID

140885

### Swiss Prot

P78324

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

BIT; MFR; P84; SIRP; MYD-1; SHPS1; CD172A; PTPNS1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

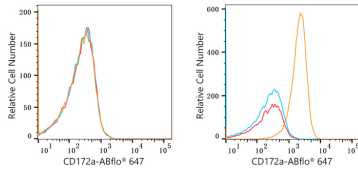
Affinity purification

### Storage

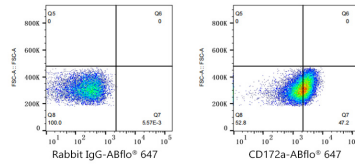
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

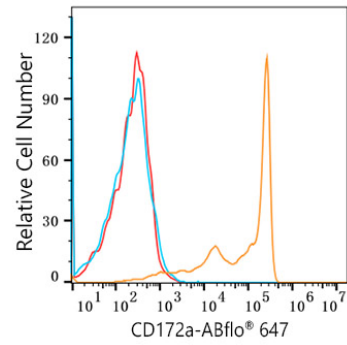
## Validation Data



Flow cytometry:  $1 \times 10^6$  Jurkat cells (negative control, left) and U-937 cells (right) were surface-stained with ABflo® 647 Rabbit anti-Human CD172a/SIRP $\alpha$  mAb (A22309, 2  $\mu\text{g}/\text{mL}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2  $\mu\text{g}/\text{mL}$ , blue line). Non-fluorescently stained cells was used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  U-937 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 647 Rabbit anti-Human CD172a/SIRP $\alpha$  mAb (A22309, 5  $\mu\text{l}/\text{Test}$ , right).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 647 Rabbit anti-Human CD172a/SIRP $\alpha$  mAb (A22309, 5  $\mu\text{l}/\text{Test}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , blue line). Non-fluorescently stained Human PBMC was used as blank control (red line).