

ABflo® 488 Rat anti Mouse CD172a/SIRP α mAb

Catalog No.: A28607

Basic Information

Observed MW

Calculated MW

56kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ATC0045

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Background

CD172a, also known as SIRP α , is a type I transmembrane protein featuring an extracellular region with one V-set Ig-like domain and two C-set Ig-like domains, and a cytoplasmic tail containing two immunoreceptor tyrosine-based inhibition motifs (ITIMs) and a proline-rich region. It is expressed by monocytes, macrophages, myeloid cells, and neuronal tissues. Phosphorylation of the SIRP α ITIMs induces the recruitment and activation of the tyrosine phosphatases PTPN6 (SHP-1) and PTPN11 (SHP-2), leading to the negative regulation of various biological processes. The known ligands for CD172a include CD47, surfactant protein A (SP-A), and surfactant protein D (SP-D).

Recommended Dilutions

FC ≤ 0.25 μ g per million cells
in 100 μ l volume

Immunogen Information

Gene ID
19261

Swiss Prot
P97797

Immunogen

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

Synonyms

Bit; P84; SIRP; SHP-1; CD172a; Ptpns1; SHPS-1; Idd13.2

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Product Information

Source
Rat

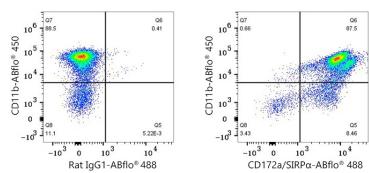
Isotype
IgG1, κ

Purification
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD11b mAb (A26229,5 µl/Test) and ABflo® 488 Rat IgG1 isotype control (5 µl/Test, left) or ABflo® 488 Rat anti Mouse CD172a/SIRPo mAb (A28607,0.25 µg, right).