Leader in Biomolecular Solutions for Life Science

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Rat anti Mouse CD172a/SIRPα(scFv) mAb

Catalog No.: A29092

Basic Information

Observed MW

Calculated MW
56 kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ATC0045

Background

CD172a, also known as SIRPα, 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 SIRPα 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	1:100 - 1:500

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

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Product Information

Source
Rat

Isotype
IgG1, κ

Purification
Affinity purification

Storage
Store at -20℃