

Rat anti Mouse CD172a/SIRP α (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 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 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

IsotypeIgG1, κ **Purification**

Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS, pH 7.3, 2mM DTT