

For Research Use Only

CoraLite® Plus 647 Anti-Mouse SIRP Alpha/CD172a Rabbit Recombinant Antibody

Catalog Number:**CL647-98225**



Basic Information

| | | | | | |
|------------------------|-------------------|----------------------------------|---------------------------------|--|--|
| Catalog Number: | CL647-98225 | GenBank Accession Number: | NM_007547.4 | Purification Method: | Protein A purification |
| Size: | 100ug , 500 µg/ml | GenID (NCBI): | 19261 | CloneNo.: | 241794D9 |
| Source: | Rabbit | UNIPROT ID: | P97797-2 | Recommended Dilutions: | FC: 0.25 ug per 10 ⁶ cells in 100 µl suspension |
| Isotype: | IgG | Full Name: | signal-regulatory protein alpha | Excitation/Emission maxima wavelengths: | 654 nm / 674 nm |
| | | Calculated MW: | 56 kDa | | |

Applications

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|-----------------------------|-------|-------------------------------|
| Tested Applications: | FC | Positive Controls: |
| Species Specificity: | mouse | FC : mouse bone marrow cells, |

Background Information

SIRP Alpha, also known as CD172a, SHPS-1, and BIT, belongs to the SIRP family. SIRP Alpha is a transmembrane glycoprotein expressed explicitly on myeloid cells and provides a "do not eat me" signal after engaging with integrin-associated protein CD47 on tumor cells (PMID: 36419386). SIRP Alpha shows heterogeneity in molecular weight (~65-120 kDa) in various tissues due to differential glycosylation (PMID: 18051954).

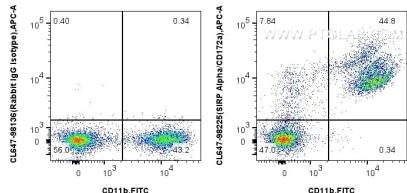
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

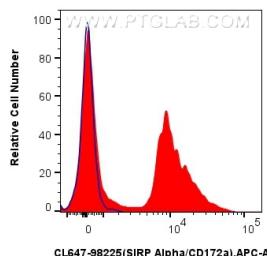
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse bone marrow cells were surface stained with FITC Plus Anti-Mouse CD11b (M1/70) (FITC-65055, Clone: M1/70), and 0.25 ug CoraLite® Plus 647 Anti-Mouse SIRP Alpha/CD172a Rabbit RecAb (CL647-98225, Clone: 241794D9) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse SIRP Alpha/CD172a Rabbit RecAb (CL647-98225, Clone: 241794D9) (red) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.