

RecomAb™

## SIRPA recombinant monoclonal antibody, clone R05-1A9

Catalog # RAB05202      Size 100 uL

### Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human SIRP alpha.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to human SIRP alpha
<b>Theoretical MW (kDa)</b>	Calculated MW: 55 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Flow cytometry (1/50-1/100) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

## Gene Info — SIRPA

Entrez GeneID	<a href="#">140885</a>
Gene Name	SIRPA
Gene Alias	BIT, CD172A, MFR, MYD-1, P84, PTPNS1, SHPS-1, SHPS1, SIRP, SIRP-ALPHA-1, SIRPalpha, SIRPalpha2
Gene Description	signal-regulatory protein alpha
Omim ID	<a href="#">602461</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000030001 SHP substrate-1 brain-immunoglobulin-like molecule with tyrosine-based activation motifs macrophage fusion receptor myd-1 antigen protein tyrosine phosphatase, non-receptor type substrate 1 signal regulatory protein, alpha type 1 signal