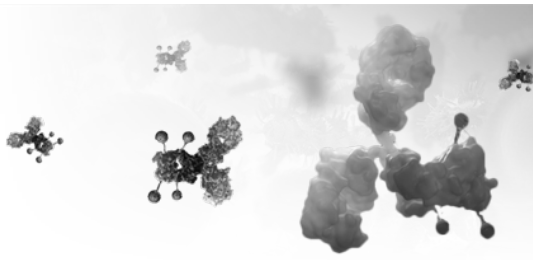

SIRPA blocking peptide (CDBP6118)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	SIRPA signal-regulatory protein alpha [Homo sapiens (human)]
Official Symbol	SIRPA

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	SIRPA; signal-regulatory protein alpha; BIT; MFR; P84; SIRP; MYD-1; SHPS1; CD172A; PTPNS1; tyrosine-protein phosphatase non-receptor type substrate 1; myd-1 antigen; inhibitory receptor SHPS-1; macrophage fusion receptor; CD172 antigen-like family member A; tyrosine phosphatase SHP substrate 1; brain-immunoglobulin-like molecule with tyrosine-based activation motifs
Entrez Gene ID	140885
mRNA Refseq	NM_001040022
Protein Refseq	NP_001035111
UniProt ID	P78324
Pathway	BDNF signaling pathway; Cardiac Progenitor Differentiation; Cell surface interactions at the vascular wall; Cell-Cell communication; Hemostasis; IL-1 Signaling Pathway; Osteoclast differentiation; Prolactin Signaling Pathway
Function	SH3 domain binding

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