

SIRPA

Synthetic Human Signal-Regulatory Protein Alpha (aa 487-503) Blocking Peptide

Catalog No.	PX156BP	Quantity:	50 µg
Alternate Names:	BIT, CD172A, MFR, MYD-1, P84, PTPNS1, SHPS-1, SHPS1, SIRP, SIRP-ALPHA-1, SIRPalph, SIRPalph2, 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 regulatory protein, alpha type 2, tyrosine phosphatase SHP substrate 1		
Description:	The protein encoded by SIRPA 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.		
Gene ID:	140885		
Application:	The peptide is used for blocking the activity of anti-SIRPα. The peptide with equal volume of antibody for 30 min at 37°C usually completely blocks the antibody activity in Western blotting.		
Formulation:	It is supplied as 200 µg/ml, 50 µg/vial, in PBS pH7.2 (10 mM NaH ₂ PO ₄ , 10 mM, Na ₂ HPO ₄ , 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide.. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Sequence:	KPEPSFSEYASVQVPRK		
Storage & Stability:	Store at -20°C, stable for one year.		

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