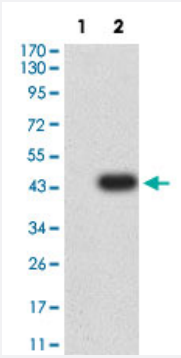
SIRPA monoclonal antibody, clone 2H7E2

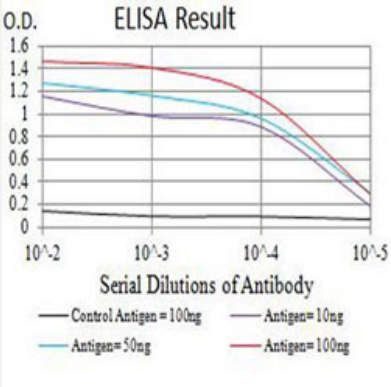
Catalog # MAB17979 Size 100 ug

Applications



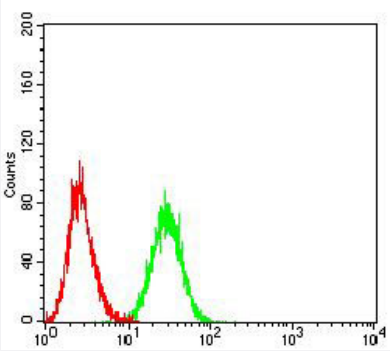
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: SIRPA-hIgGFc transfected HEK293 cell lysates with SIRPA monoclonal antibody, clone 2H7E2 (Cat # MAB17979).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with SIRPA monoclonal antibody, clone 2H7E2 (Cat # MAB17979).



Flow Cytometry

Flow cytometric analysis of Ramos cells with SIRPA monoclonal antibody, clone 2H7E2 (Cat # MAB17979) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human SIRPA.
Immunogen	Recombinant protein corresponding to amino acids 235-373 of human SIRPA.
Host	Mouse
Theoretical MW (kDa)	55
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 and Lane 2: SIRPA-hIgGFc transfected HEK293 cell lysates with SIRPA monoclonal antibody, clone 2H7E2 (Cat # MAB17979).

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with SIRPA monoclonal antibody, clone 2H7E2 (Cat # MAB17979).

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Gene Info — SIRPA

Entrez GeneID	140885
Protein Accession#	P78324

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	602461
Gene Ontology	Hyperlink
Gene Summary	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
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