

Rabbit anti-Human SIRPalpha Monoclonal Antibody | anti-SIRPalpha antibody

Anti-SIRPalpha (DM8) antibody, Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314233	Rabbit	Human	Immunofluorescence, Immunoprecipitation, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

SIRPalpha; Monoclonal Antibody; Anti-SIRPalpha (DM8) antibody; Rabbit mAb; BIT; CD172a; MFR; MYD-1; P84; PTPNS1; SHPS-1; SHPS1; SIRP; SIRP-ALPHA-1; SIRPalpha2; anti-SIRPalpha antibody

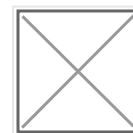
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	DM8
Purity/Purification	Purified from cell culture supernatant by affinity chromatography
Form/Format	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS, pH 7.4; 0.1% BSA
Applicable Applications for anti-SIRPalpha antibody	IF (Immunofluorescence), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), ELISA
Immunogen	Recombinant human SIRPalpha (Glu31-Arg370) produced by using human HEK293 cells
Preparation and Storage	Store at -20 degree C for 12 months (Avoid repeated freezing and thawing)

IMAGES

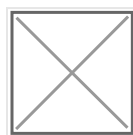


Application Data

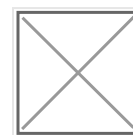


FCM/FACS (Flow Cytometry)

Figure 2. Left) Flow cytometry data of serially titrated Rabbit anti-SIRPalpha monoclonal antibody (clone: DM8). The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used. Right) Competition assay demonstrating DM8 blockade of CD47 binding to THP-1 cells. IC50=30.88ng/ml.



Application Data



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Figure 1. THP-1 cell line were surface stained with Rabbit anti-SIRPalpha monoclonal antibody 1ug/ml (clone: DM8) and Rabbit IgG isotype control antibody followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRPalpha antibody	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]
Product Categories/Family for anti-SIRPalpha antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

Molecular Weight	Calculated MW: 66.9kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sirpalph-alpha-antibody-clone-dm8-immunofluorescence-immunoprecipitation-flow-cytometry-elisa/314233>