Anti-SIRPa(DM8) antibody; Rabbit mAb

Cat. No. DME100008

PRODUCT INFORMATION

Clone ID	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** DM8
Target	SIRPa
Synonyms	BIT; CD172a; MFR; MYD-1; P84; PTPNS1; SHPS-1; SHPS1; SIRP; SIRP-ALPHA-1; SIRPalpha; SIRPalpha2
Host Species	Rabbit
Description	Anti-SIRPa(DM8) antibody; Rabbit mAb
Delivery	In Stock
Uniprot ID	P78324
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt; IF; IP
Recommended Dilutions	Flow Cyt 1:100; IP 1:30
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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]
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scr

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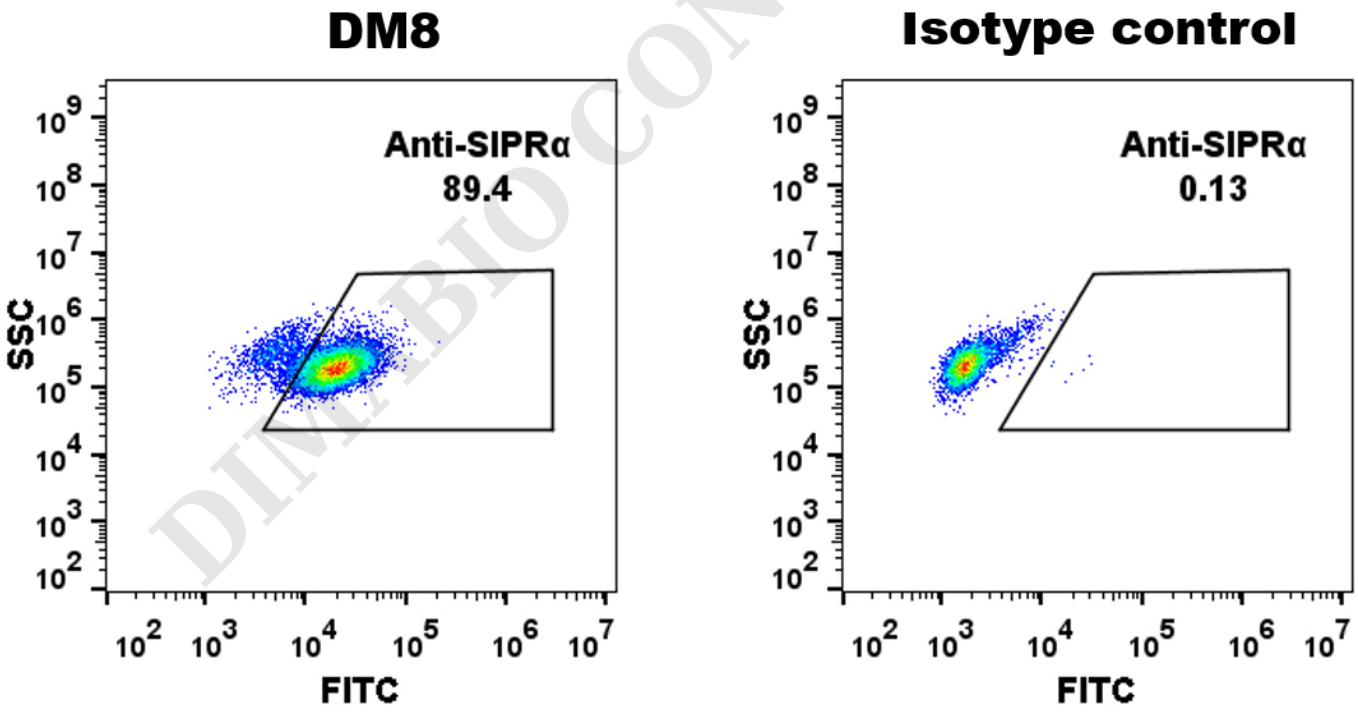


Figure 1. THP-1 cell line were surface stained with Rabbit anti-SIRPα monoclonal antibody 1µg/ml (clone: DM8) and Rabbit IgG isotype control antibody followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

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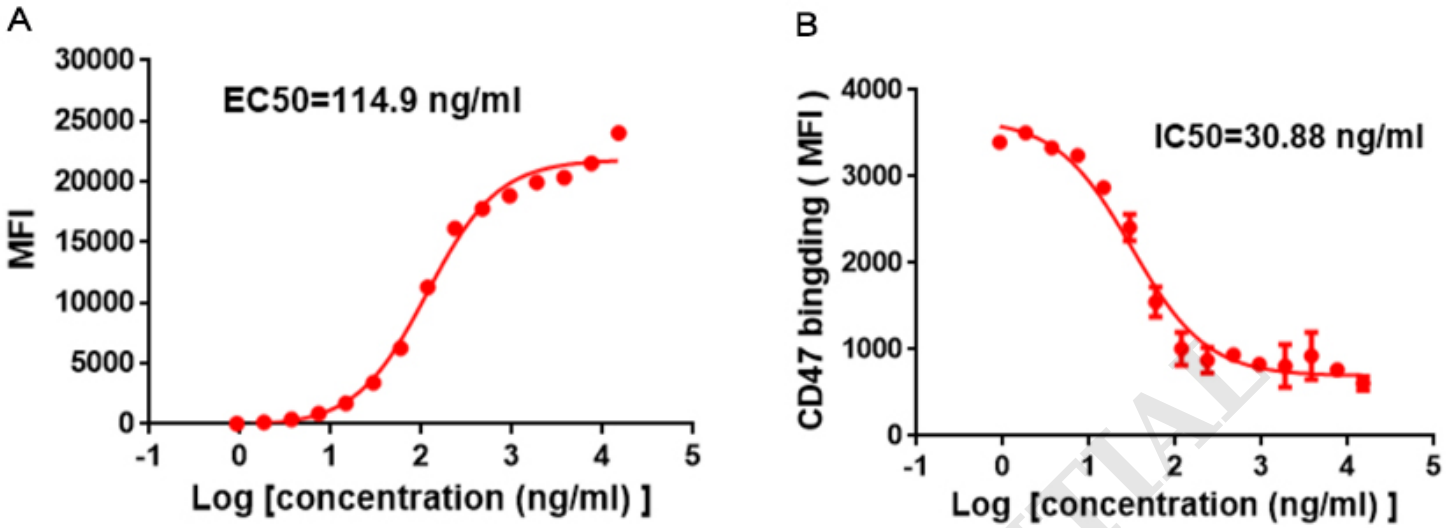


Figure 2. A) Flow cytometry data of serially titrated Rabbit anti-SIRPα monoclonal antibody (clone: DM8). The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used. B) Competition assay demonstrating DM8 blockade of CD47 binding to THP-1 cells.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

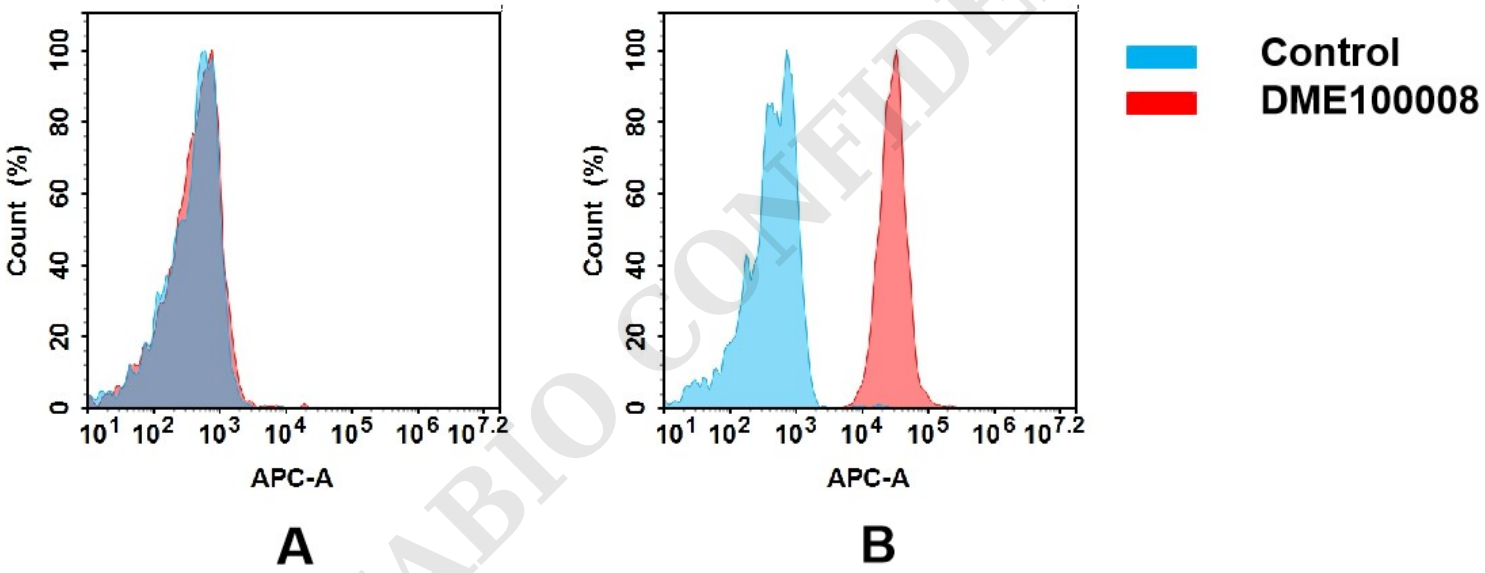


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human SIRPa mAb(DME100008).
(A) DME100008 does not bind to CHO-S cells that do not express SIRPa.
(B) A clear peak shift of DME100008 was seen compared to the control when incubated with SIRPa-expressing THP-1 cells, indicating strong binding of DME100008 to SIRPa. Antibodies were incubated at 5 μg/mL.

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