

## Anti-SIRP alpha Antibody (9J670)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	9J670
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of rat SIRPA (CD172a) expression on SD rat bone marrow cells. Cells were stained with purified anti-rat SIRPA (CD172a), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	FCM: 1:25-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Rat SIRPA/SIRP alpha/CD172a Protein (TMPY-03666)
Antigen Species:	Rat
Synonyms:	CD172A;SHPS1;SIRP alpha;SIRP $\alpha$ ;SIRP;MFR;PTPNS1;signal-regulatory protein $\alpha$ ;signal-regulatory protein alpha;MYD-1;BIT;P84
Biology Area:	Cancer Drug Targets

## Research Background

Tyrosine-protein phosphatase non-receptor type substrate 1, also known as SHP substrate 1, Inhibitory receptor SHPS-1, Brain Ig-like molecule with tyrosine-based activation motifs, Macrophage fusion receptor, CD172 antigen-like family member A, SIRPA and CD172a, is a single-pass type I membrane protein which contains two Ig-like C1-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. SIRPA is ubiquitously expressed. It is highly expressed in brain and detected at lower levels in heart, placenta, lung, testis, ovary, colon, liver, small intestine, prostate, spleen, kidney, skeletal muscle and pancreas. It is also detected on myeloid cells, but not T-cells. SIRPA is an immunoglobulin-like cell surface receptor for CD47. SIRPA acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. SIRPA supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. It may play a key role in intracellular signaling during synaptogenesis and in synaptic function. SIRPA is involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. It mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. Cancer Immunotherapy Co-inhibitory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: ELISA

## A DRUG SCREENING EXPERT

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AntibodiesImmune Checkpoint Detection: FCM AntibodiesImmune Checkpoint Detection: IHC AntibodiesImmune  
Checkpoint Detection: IP AntibodiesImmune Checkpoint Detection: WB AntibodiesImmune Checkpoint  
TargetsImmunotherapyTargeted Therapy

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481