

Anti-SIRP alpha [12G6] Bulk Size Ab03881-3.0-BT

Isotype and Format: Mouse IgG2b, Kappa

Clone Number: 12G6

Alternative Name(s) of Target: CD172a; SIRP α ; SIRPA; Signal regulatory protein α ; Signal regulatory protein alpha; Tyrosine-protein phosphatase non-receptor type substrate 1; SHP substrate 1; SHPS-1; Brain Ig-like molecule with tyrosine-based activation motifs; Bit; CD172 antigen-like family member A; Inhibitory receptor SHPS-1; Macrophage fusion receptor; MyD-1 antigen; Signal-regulatory protein alpha-1; Sirp-alpha-1; Signal-regulatory protein alpha-2; Sirp-alpha-2; Signal-regulatory protein alpha-3; Sirp-alpha-3; p84

UniProt Accession Number of Target Protein: P78324

Published Application(s): Block, ELISA, FC

Published Species Reactivity: Human, Cynomolgus Monkey

Immunogen: The original antibody was generated by immunizing BALB/c mice with recombinant human SIRP α -hFc fusion protein.

Specificity: This antibody binds human and cynomolgus monkey SIRP alpha, which is a regulatory membrane glycoprotein and an immunoglobulin-like cell surface receptor for CD47. This protein plays a key role in intracellular signaling during synaptogenesis and in synaptic function. Cancer cells highly express CD47 that activates SIRP α and inhibit macrophage-mediated destruction.

Application Notes: The binding reactivity of this antibody towards recombinant human SIRP α -his fusion protein was checked using ELISA. Flow cytometry was used to detect the binding of the antibody to SIRP α on the membrane of human and cynomolgus monkey SIRP α overexpressed cells. This antibody binds cynomolgus monkey SIRP α with a weaker binding affinity than human SIRP α . This antibody can effectively block the binding of CD47 protein to cell surface SIRP α (CN110734897).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.