

## Anti-SIRP alpha [SAF10.1] Standard Size Ab01531-8.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rat IgG2b, Fc Silent™, Kappa

**Clone Number:** SAF10.1

**Alternative Name(s) of Target:** 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; CD172a

**UniProt Accession Number of Target Protein:** P78324

**Published Application(s):** binding assay, IP, WB, FC, IF

**Published Species Reactivity:** Human

**Immunogen:** This antibody was raised by immunising BALB/c mice with an eukaryotically expressed SIRPα-Fc fusion protein consisting of the extracellular domain and emulsified with complete Freund's adjuvant and followed by two subsequent boosts of SIRPα-Fc fusion protein emulsified with IFA (Lee et al., 2007).

**Specificity:** This antibody recognises an epitope in the membrane most distal domain (D1) of SIRP alpha. It crossreacts with other SIRPs.

**Application Notes:** SAF10.1, can be used to detect SIRPs in a wide variety of tissues and cell types. For instance, this antibody was successfully used to detect SIRPs from COS7.2 cell lysates via Western blot (Lee et al., 2008).

**Antibody First Published in:** Lee et al. Novel structural determinants on SIRP alpha that mediate binding to CD47. J Immunol. 2007 Dec 1;179(11):7741-50. PMID:18025220

**Note on publication:** This article describes the generation and characterisation of the SAF10.1 antibody.

## Product Form

**Size:**

200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.