

Recombinant Mouse CD172a Protein

Catalog #	Source	Reactivity	Applications
CRP2889	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description	Recombinant Mouse CD172a Protein is produced by mammalian expression system and the target gene encoding Lys32-Asn372 is expressed with a MIgG2a tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Gene Symbol	SIRPA
Alternative Names	BIT; MFR; MYD1; PTPNS1; SHPS1; SIRP; 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
Entrez Gene	19261 (Mouse)
SwissProt	P97797 (Mouse)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	KELKVTQPEK SVSVAAGDST VLNCTLTSL PVGPIRWYRG VGPSRLLIYS FAGEYVPRIR NVSDTTKRNN MDFSIRISNV TPADAGIYYC VKFQKGSSEP DTEIQSGGGT EYVVLAKPSP PEVSGPADRG IPDQKVNFTC KSHGFSPRNI TLKWFKDGQE LHPLETTVNP SGKNVSYNIS STVRVVLNSM DVNSKVICEV AHITLDRSPL RGIANLSNFI RVSPVKVTQ QSPTSMNQVN LTCRAERFYP EDLQLIWLEN GNVS RNDTPK NLTKNTDGT NYTSLFLVNS SAHREDVVFT CQVKHDQQPA ITRNHTVLGF AHSSDQGSMQ TFPDNNATHN WNIEGRMDPE PRGPTIKPCP PCKCPAPNLL GGPSVFIFPP KIKDVLMI SL SPIVTCVVVD VSEDDPDVQI

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

SWFVNNVEVH TAQTQTHRED YNSTLRVVSA LPIQHQDWMS GKEFKCKVNN KDLPAPIERT
ISKPKGSVRA PQVYVLPPE EEMTKKQVTL TCMVTDFMPE DIYVEWTNNG KTELNYKNTE
PVLDSGGSYF MYSKLRVEKK NWVERNSYSC SVVHEGLHNH HTTKSFSRTP GK

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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