

Product Data Sheet

Recombinant Human CD172a Protein

Catalog # Source Reactivity Applications

CRP2614 Human cells Human E, WB, SDS-PAGE, MS

Description Recombinant Human CD172a Protein is produced by mammalian expression system

and the target gene encoding Glu31-Arg370 is expressed with a Fc 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 140885 (Human)

SwissProt P78324 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure EEELQVIQPD KSVSVAAGES AILHCTVTSL IPVGPIQWFR GAGPARELIY NQKEGHFPRV

TTVSESTKRE NMDFSISISN ITPADAGTYY CVKFRKGSPD TEFKSGAGTE LSVRAKPSAP

VVSGPAARAT PQHTVSFTCE SHGFSPRDIT LKWFKNGNEL SDFQTNVDPV GESVSYSIHS

TAKVVLTRED VHSQVICEVA HVTLQGDPLR GTANLSETIR VPPTLEVTQQ PVRAENQVNV

TCQVRKFYPQ RLQLTWLENG NVSRTETAST VTENKDGTYN WMSWLLVNVS AHRDDVKLTC

QVEHDGQPAV SKSHDLKVSA HPKEQGSNTA AENTGSNERD IEGRMDEPKS CDKTHTCPPC

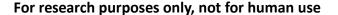
PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT

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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KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY

TLPPSREEMT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK

LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGK

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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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