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Data Sheet

SIRP-α (CD172a), Avi-His-Tag (Monkey)

Monkey, Recombinant, C-terminal Avi-His-tag
Catalog #: 79117
Lot #: 170919 **Conc.:** 2.63 mg/ml

Formulated in: 8mM phosphate, pH7.4, 110mM NaCl, 2.2mM KCl, and 20% glycerol.

Stability: At least 6 months at –80°C. Avoid freeze-thaw cycles. *Protein may be diluted to ≥ 100 µg/ml in PBS + glycerol and stored at -80°C.*

References:

1. Hatherley, D., *et al., Mol. Cell,* 2008, **31**:266-77
2. Baba, N., *et al., J. Exp. Med.,* 2013, **210(6)**:1251-63

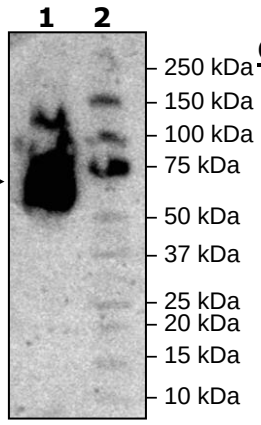
Description: Monkey Signal regulatory protein-alpha (SIRP-α), also known as Tyrosine-protein phosphatase non-receptor type substrate 1, CD172a, Bit, and MyD-1, GenBank Accession No. NM_001284750, a.a. 31-370, with C-terminal Avi-His-tag, expressed in a HEK293 expression system. MW=42 kDa. This protein is heavily glycosylated, resulting in apparent higher molecular weight.

Application: Useful as a positive control for western blot studies.

Quality Assurance

Western Blot

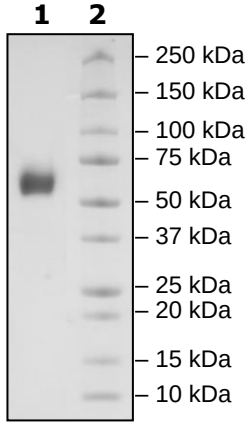
Lane 1: Sirpa(Monkey)
Lane 2: Protein Marker



4-20% SDS-PAGE Coomassie staining

Lane 1: 2µg Sirpa(Monkey)
Lane 2: Protein Marker

MW: 42kDa+glycans
Purity: ≥90%



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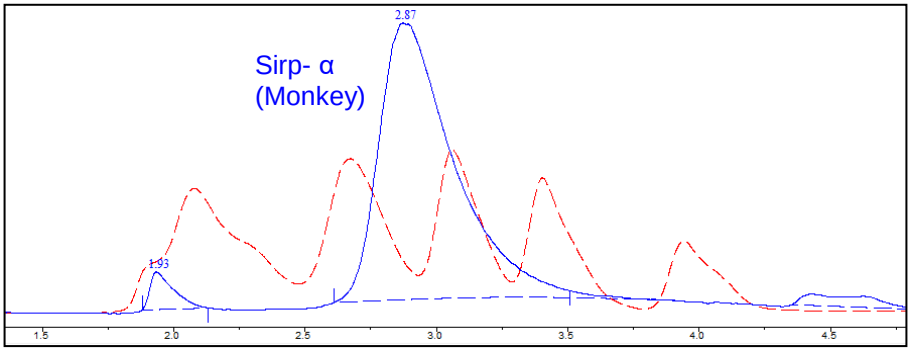
Gel Filtration Curve



<10% Aggregation

Protein Sequence

EEELQVIQPEKSVSVAAGDSATLNCTVSSLIPVGPIQWFRGAGPGRELIYNLKEGH
FPRVTAVSDPTKRNNMDFSIRISNITPADAGTYYCVKFRKGSPDVELKSGAGTELS
VRAKPSAPVVSGPAVRATAEHTVSFTCESHGFSPRDITLKWFKNGNELSDVQTNVD
PAGKSVSYSIRSTARVLLTRRDVHSQVICEVAHVTLQGDPLRGTANLSEAIRVPPF
LEVTQQSMRADNQVNVTCQVTKFYPQRLQLTWLENGNVSRTEMASALPENKDGTYN
WTSWLLVNVSAHRDDVKLTCQVEHDGQPAVNKSFSVKVSAHPKEQGSNTAAENTGT
NERNIEGRMDGGGLNDIFEAQKIEWHEHHHHHHHHHH

Black: Monkey Sirpa (aa 31-370)
Green: Linker
Red: Avi
Blue: 10xHis

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