

SIRP alpha/CD172a Protein, Human (CAA71403.1, HEK 293, His)

Cat. No.:	HY-P70484
Synonyms:	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 Feceptor SHPS-1; Macrophage Fusion Receptor; MyD-1 Antigen; Signa
Species:	Human
Source:	HEK 293
Accession:	CAA71403.1 (E31-R370)
Gene ID:	140885
Molecular Weight:	45-65 kDa

PROPERTIES

AA Sequence	<pre> E E E L Q V I Q P D K S V L V A A G E T A T L R C T A T S L I P V G P I Q W F R G A G P G R E L I Y N Q K E G H F P R V T T V S D L T K R N N M D F S I R I G N I T P A D A G T Y Y C V K F R K G S P D D V E F K S G A G T E L S V R A K P S A P V V S G P A A R A T P Q H T V S F T C E S H G F S P R D I T L K W F K N G N E L S D F Q T N V D P V G E S V S Y S I H S T A K V V L T R E D V H S Q V I C E V A H V T L Q G D P L R G T A N L S E T I R V P P T L E V T Q Q P V R A E N Q V N V T C Q V R K F Y P Q R L Q L T W L E N G N V S R T E T A S T V T E N K D G T Y N W M S W L L V N V S A H R D D V K L T C Q V E H D G Q P A V S K S H D L K V S A H P K E Q G S N T A A E N T G S N E R </pre>
Biological Activity	2 µg/mL (100 µL/well) of immobilized Human CD47 -Fc can bind Human SIRPA -His with an ED50 value of 0.49 µg/mL, corresponding to an affinity constant of 10.1 nM.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SIRPA is a specific cell-surface marker for isolating cardiomyocytes derived from human pluripotent stem cells ^[1] .
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REFERENCES

[1]. Dubois NC, Craft AM, Sharma P, et al. SIRPA is a specific cell-surface marker for isolating cardiomyocytes derived from human pluripotent stem cells. Nat Biotechnol. 2011;29(11):1011-1018. Published 2011 Oct 23.

Caution: Product has not been fully validated for medical applications. For research use only.

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