

Mouse Protein S100-A1, S100a1 ELISA Kit | S100a1 elisa kit

Mouse Protein S100-A1, S100a1 Primacu ELISA Kit

CATALOG #
AAA124275

REACTIVITY
Mouse

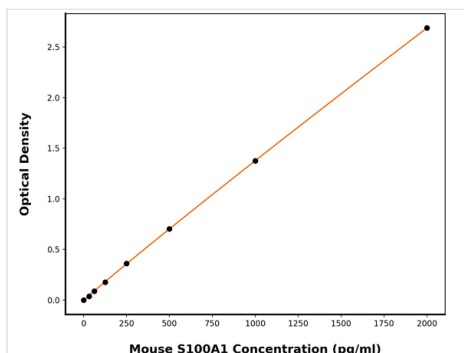
PRODUCT SYNONYMS

Protein S100-A1; S100a1; Mouse Protein S100-A1; S100a1 Primacu ELISA Kit; S100A1; S100a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	31.25-2000pg/mL
Sensitivity	7.32pg/mL
Standard Solution	20ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for S100a1 elisa kit

S100A1 is a Ca²⁺ binding protein of the EF-hand type that belongs to the S100 protein family. S100 proteins consisting of at least 19 members exist as dimers in the cytoplasm and/or nucleus of a wide range of cells, and are involved in the regulation of a number of cellular processes such as cell-cycle progression and cell differentiation. This protein has been shown to function in the processes including stimulation of Ca²⁺-induced Ca²⁺ release, inhibition of microtubule assembly, and inhibition of PKC-mediated phosphorylation. Phosphoglucomutase is a target protein whose activity is antagonistically regulated by S100A1, and recently, S100A1 is also identified as a potent molecular chaperone and a new member of the Hsp70/Hsp90 multichaperone complex. S100A1 displays a tissue-specific expression pattern with highest levels in myocardium and is considered to be an important regulator of cardiac contractility. Accordingly, reduced expression or mutations of S100A1 gene have been implicated in cardiomyopathies.

Product Categories/Family for S100a1
elisa kit

Primacu ELISA Kit; Epigenetics and nuclear signaling ; Cell biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755386
NCBI GeneID	20193
NCBI Accession #	NP_035439.1
NCBI GenBank Nucleotide #	NM_011309.3
UniProt Accession #	P56565; O88949
Molecular Weight	10,505 Da
NCBI Official Full Name	protein S100-A1
NCBI Official Synonym Full Names	S100 calcium binding protein A1
NCBI Official Symbol	S100a1
NCBI Official Synonym Symbols	S100; S100a; A1266795
NCBI Protein Information	protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1
UniProt Protein Name	Protein S100-A1
UniProt Gene Name	S100a1
UniProt Entry Name	S10A1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/protein-s100-a1-s100a1/124275>