

Mouse S100 Calcium Binding Protein A4 (S100A4) ELISA Kit | S100A4 elisa kit

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CATALOG #
AAA66355

REACTIVITY
Mouse

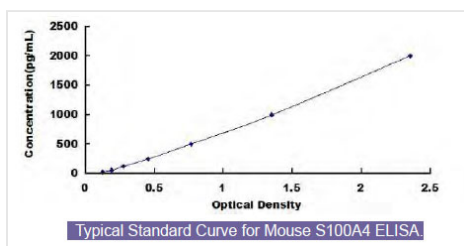
PRODUCT SYNONYMS

S100 Calcium Binding Protein A4 (S100A4); Mouse S100 Calcium Binding Protein A4 (S100A4) ELISA Kit; S100-A4 MTS1 18A2 42A CAPL P9KA PEL98 Calcium protein Calvasculin Metastasin Protein Mts1 Placental calcium-binding protein Murine placental homolog; S100A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A4. No significant cross-reactivity or interference between S100A4 and analogues was observed.
Sequence Length	101
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.2-2000pg/mL
Sensitivity	< 14.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level S100A4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level S100A4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of S100A4 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to S100A4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to S100A4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain S100A4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of S100A4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33859624
NCBI GeneID	20198
NCBI Accession #	NP_035441.1
NCBI GenBank Nucleotide #	NM_011311.2
UniProt Accession #	P07091; P20066
Molecular Weight	11,721 Da
NCBI Official Full Name	protein S100-A4
NCBI Official Synonym Full Names	S100 calcium binding protein A4
NCBI Official Symbol	S100a4
NCBI Official Synonym Symbols	42a; 18A2; CapI; FSp1; Mts1; pk9a; PeL98; metastasin
NCBI Protein Information	protein S100-A4
UniProt Protein Name	Protein S100-A4
UniProt Gene Name	S100a4
UniProt Synonym Gene Names	CapI; Mts1

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/s100-calcium-binding-protein-a4-s100a4/66355>