

Rat S100 calcium binding protein A1 ELISA Kit | S100A1 elisa kit

Rat Protein S100-A1, S100A1 ELISA Kit

CATALOG #
AAA112701

REACTIVITY
Rat

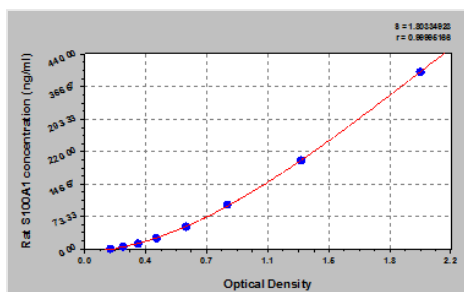
PRODUCT SYNONYMS

S100 calcium binding protein A1; Rat Protein S100-A1; S100A1 ELISA Kit; Rat Protein S100-A1 (S100A1) ELISA kit; S100; S100-alpha; S100A; S100 alpha; S100 calcium-binding protein A1; S100 protein; alpha polypeptide; S100A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat S100A1. No significant cross-reactivity or interference between Rat S100A1 and analogues was observed.
Sequence Length	94
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	6.25 ng/ml-400 ng/ml
Sensitivity	1.56 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for S100A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of S100A1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56090267
NCBI GeneID	295214
NCBI Accession #	NP_001007637.1
NCBI GenBank Nucleotide #	NM_001007636.2
UniProt Accession #	P35467
Molecular Weight	10,560 Da
NCBI Official Full Name	protein S100-A1
NCBI Official Synonym Full Names	S100 calcium binding protein A1
NCBI Official Symbol	S100a1
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_RAT

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://www.aaabiotech.com/s100a1-rat-elisa-kits/s100-calcium-binding-protein-a1/112701>