

Rat S100 Calcium Binding Protein A11 ELISA Kit | S100A11 elisa kit

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CATALOG #
AAA16592

REACTIVITY
Rat

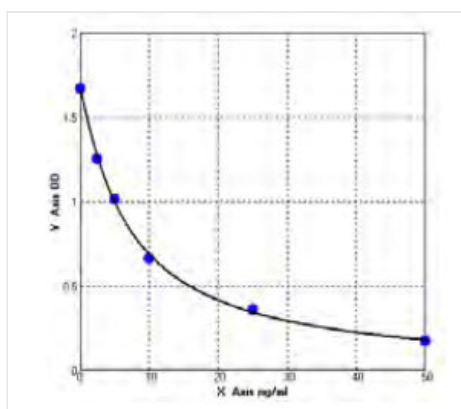
PRODUCT SYNONYMS

S100 Calcium Binding Protein A11; Rat S100 Calcium Binding Protein A11 ELISA Kit; S100A11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A11. No significant cross-reactivity or interference between S100A11 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between S100A11 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Highest Standards	10ng/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A11 elisa kit	Principle of the Assay: S100A11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-S100A11 antibody and an S100A11-HRP conjugate. The assay sample and buffer are incubated together with S100A11-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the S100A11 concentration since S100A11 from samples and S100A11-HRP conjugate compete for the anti-S100A11 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100A11 from the sample, fewer sites are left to bind S100A11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A11 concentration in each sample is interpolated from this standard curve. Intended Uses: This S100A11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat S100A11. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for S100A11 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119573777
NCBI GeneID	6282
Molecular Weight	11,740 Da
NCBI Official Full Name	S100 calcium binding protein A11 (calgizzarin)
NCBI Official Synonym Full Names	S100 calcium binding protein A11
NCBI Official Symbol	S100A11
NCBI Official Synonym Symbols	MLN70; S100C; HEL-S-43
NCBI Protein Information	protein S100-A11; MLN 70; calgizzarin; protein S100-C; epididymis secretory protein Li 43; metastatic lymph node gene 70 protein; S100 calcium-binding protein A11 (calgizzarin)
UniProt Protein Name	Protein S100-A11
UniProt Gene Name	S100A11
UniProt Synonym Gene Names	MLN70; S100C; MLN 70
UniProt Entry Name	S10AB_HUMAN

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/s100a11-rat-elisa-kits/s100-calcium-binding-protein-a11/16592>