

Rat S100 Calcium Binding Protein P ELISA Kit | S100P elisa kit

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CATALOG #
AAA85838

REACTIVITY
Rat

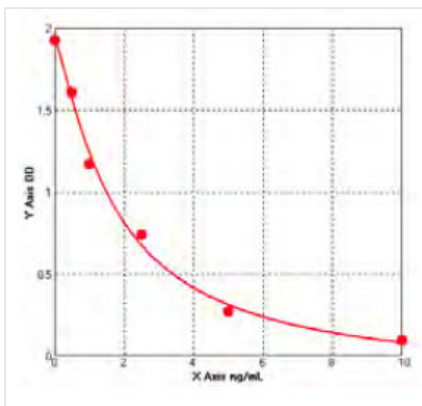
PRODUCT SYNONYMS

S100 Calcium Binding Protein P; Rat S100 Calcium Binding Protein P ELISA Kit; S100P elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of S100P. No significant cross-reactivity or interference between S100P and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between S100P 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100P elisa kit	Principle of the Assay: S100P ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-S100P antibody and an S100P-HRP conjugate. The assay sample and buffer are incubated together with S100P-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 S100P concentration since S100P from samples and S100P-HRP conjugate compete for the anti-S100P antibody binding site. Since the number of sites is limited, as more sites are occupied by S100P from the sample, fewer sites are left to bind S100P-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100P concentration in each sample is interpolated from this standard curve. Intended Uses: This S100P ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatS100P. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for S100P elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119602790
NCBI GeneID	6286
Molecular Weight	10,400 Da
NCBI Official Full Name	S100 calcium binding protein P
NCBI Official Synonym Full Names	S100 calcium binding protein P
NCBI Official Symbol	S100P
NCBI Official Synonym Symbols	MIG9
NCBI Protein Information	protein S100-P; protein S100-E; S100 calcium-binding protein P; migration-inducing gene 9 protein
UniProt Protein Name	Protein S100-P
UniProt Gene Name	S100P
UniProt Synonym Gene Names	S100E; MIG9
UniProt Entry Name	S100P_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/s100p-rat-elisa-kits/s100-calcium-binding-protein-p/85838>