

Sheep S100 Calcium Binding Protein ELISA Kit | S100 elisa kit

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CATALOG #
AAA90271

REACTIVITY
Sheep

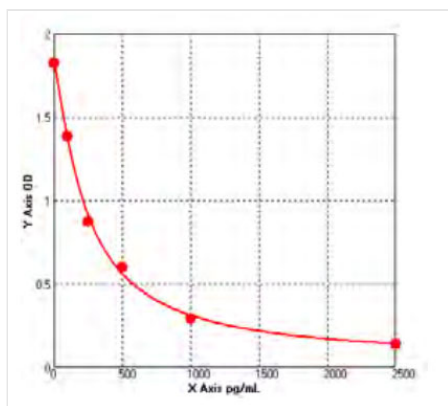
PRODUCT SYNONYMS

S100 Calcium Binding Protein; Sheep S100 Calcium Binding Protein ELISA Kit; S100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A1. No significant cross-reactivity or interference between S100A1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between S100A1 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100 elisa kit	Principle of the Assay: S100A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-S100A1 antibody and an S100A1-HRP conjugate. The assay sample and buffer are incubated together with S100A1-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 S100A1 concentration since S100A1 from samples and S100A1-HRP conjugate compete for the anti-S100A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100A1 from the sample, fewer sites are left to bind S100A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A1 concentration in each sample is interpolated from this standard curve. Intended Uses: This S100A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep S100A1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for S100 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	12804681
NCBI GeneID	6285
Molecular Weight	10,713 Da
NCBI Official Full Name	S100 calcium binding protein B
NCBI Official Synonym Full Names	S100 calcium binding protein B
NCBI Official Symbol	S100B
NCBI Official Synonym Symbols	NEF; S100; S100-B; S100beta
NCBI Protein Information	protein S100-B; S-100 protein subunit beta; S-100 calcium-binding protein, beta chain; S100 calcium-binding protein, beta (neural)
UniProt Protein Name	Protein S100-B
UniProt Gene Name	S100B
UniProt Entry Name	S100B_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/sheep-elisa-kits/s100-calcium-binding-protein/90271>