

Bovine S100 Calcium Binding Protein ELISA Kit | S100 elisa kit

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CATALOG #
AAA91082

REACTIVITY
Bovine

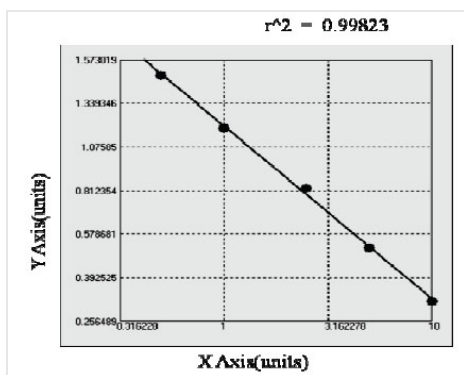
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This S100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine S100. This ELISA kit for research use only, not for therapeutic applications!
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: S100 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-S100 antibody and an S100-HRP conjugate. The assay sample and buffer are incubated together with S100-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 S100 concentration since S100 from samples and S100-HRP conjugate compete for the anti-S100 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100 from the sample, fewer sites are left to bind S100-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100 concentration in each sample is interpolated from this standard curve.

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/bovine-ovine-elisa-kits/s100-calcium-binding-protein/91082>