

Canine S100 Calcium Binding Protein ELISA Kit | S100 elisa kit

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CATALOG #
AAA91562

REACTIVITY
Canine

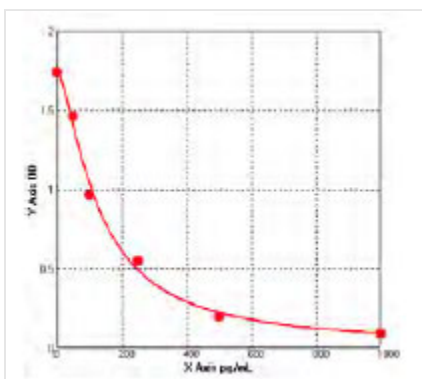
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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

Intended Uses: This S100B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine S100B. This ELISA kit for research use only!

Principle of the Assay: S100B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-S100B antibody and an S100B-HRP conjugate. The assay sample and buffer are incubated together with S100B-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 S100B concentration since S100B from samples and S100B-HRP conjugate compete for the anti-S100B antibody binding site. Since the number of sites is limited, as more sites are occupied by S100B from the sample, fewer sites are left to bind S100B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100B concentration in each sample is interpolated from this standard curve.

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.