

Canine S100 Calcium Binding Protein A7 ELISA Kit | S100A7 elisa kit

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CATALOG #
AAA93727

REACTIVITY
Canine

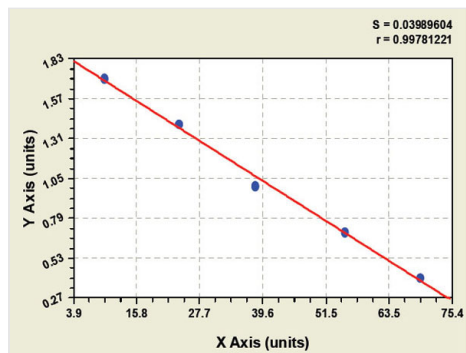
PRODUCT SYNONYMS

S100 Calcium Binding Protein A7; Canine S100 Calcium Binding Protein A7 ELISA Kit; S100A7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This S100A7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine S100A7. 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 S100A7 elisa kit

Principle of the Assay: S100A7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-S100A7 antibody and an S100A7-HRP conjugate. The assay sample and buffer are incubated together with S100A7-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 S100A7 concentration since S100A7 from samples and S100A7-HRP conjugate compete for the anti-S100A7 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100A7 from the sample, fewer sites are left to bind S100A7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457324
UniProt Accession #	P31151; Q5SY67; Q6FGE3; Q9H1E2
Molecular Weight	11,471 Da
NCBI Official Full Name	S100A7
UniProt Protein Name	Protein S100-A7
UniProt Gene Name	S100A7
UniProt Synonym Gene Names	PSOR1; S100A7C
UniProt Entry Name	S10A7_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/s100a7-canine-elisa-kits/s100-calcium-binding-protein-a7/93727>