

Human S100 Calcium Binding Protein A12 ELISA Kit | S100A12 elisa kit

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CATALOG #
AAA86868

REACTIVITY
Human

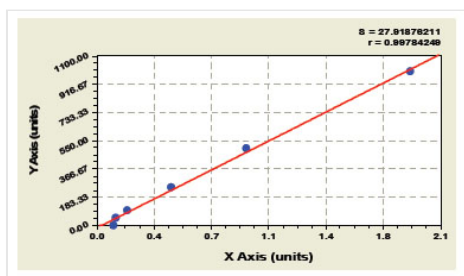
PRODUCT SYNONYMS

S100 Calcium Binding Protein A12; Human S100 Calcium Binding Protein A12 ELISA Kit; S100A12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A12 elisa kit

Intended Uses: This S100A12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human S100A12. This ELISA kit for research use only!

Principle of the Assay: S100A12 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for S100A12. Standards or samples are then added to the microtiter plate wells and S100A12 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of S100A12 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for S100A12 are added to each well to "sandwich" the S100A12 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain S100A12 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A12 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for S100A12 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119573717
NCBI GeneID	6283
Molecular Weight	10,575 Da
NCBI Official Full Name	S100 calcium binding protein A12 (calgranulin C)
NCBI Official Synonym Full Names	S100 calcium binding protein A12
NCBI Official Symbol	S100A12
NCBI Official Synonym Symbols	p6; CAGC; CGRP; MRP6; CAAF1; MRP-6; ENRAGE
NCBI Protein Information	protein S100-A12; EN-RAGE; calgranulin C; calgranulin-C; neutrophil S100 protein; calcium-binding protein in amniotic fluid 1; migration inhibitory factor-related protein 6; S100 calcium-binding protein A12 (calgranulin C); extracellular newly identified RAGE-binding protein
UniProt Protein Name	Protein S100-A12
UniProt Gene Name	S100A12
UniProt Synonym Gene Names	CAAF1; CAGC; EN-RAGE; MRP-6; p6
UniProt Entry Name	S10AC_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/s100a12-human-elisa-kits/s100-calcium-binding-protein-a12/86868>