

Human Protein S100-A5 (S100A5) ELISA Kit | S100A5 elisa kit

Human Protein S100-A5 (S100A5) ELISA Kit

CATALOG #
AAA330966

REACTIVITY
Human

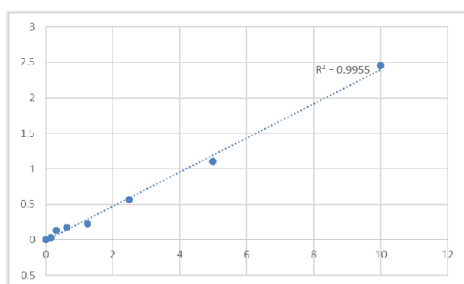
PRODUCT SYNONYMS

Protein S100-A5 (S100A5); Human Protein S100-A5 (S100A5) ELISA Kit; S100A5; S100D; S100 calcium-binding protein A5; S100A5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein S100-A5 (S100A5) ELISA Kit has high sensitivity and excellent specificity for detection of Human S100A5. No significant cross-reactivity or interference between Human S100A5 and analogues was observed.
Sequence Length	92
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein S100-A5 (S100A5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S100A5 elisa kit	Description: This Human Protein S100-A5 (S100A5) ELISA Kit employs a two-site sandwich ELISA to quantitate S100A5 in samples. An antibody specific for S100A5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of S100A5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: S100 calcium binding protein A5 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein has a Ca2 affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn2 and Cu2, and Cu2 strongly which impairs the binding of Ca2. This protein is expressed in very restricted regions of the adult brain.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	302632535
NCBI GeneID	6276
NCBI Accession #	NP_002953.2
NCBI GenBank Nucleotide #	NP_002953.2
UniProt Accession #	P33763
NCBI Official Full Name	protein S100-A5
NCBI Official Synonym Full Names	S100 calcium binding protein A5
NCBI Official Symbol	S100A5
NCBI Official Synonym Symbols	S100D
NCBI Protein Information	protein S100-A5
UniProt Protein Name	Protein S100-A5
UniProt Gene Name	S100A5
UniProt Synonym Gene Names	S100D
UniProt Entry Name	S10A5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/protein-s100-a5-s100a5/330966>