

Human S100 Calcium Binding Protein A11 (S100A11) ELISA Kit | S100A11 elisa kit

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CATALOG #
AAA330971

REACTIVITY
Human

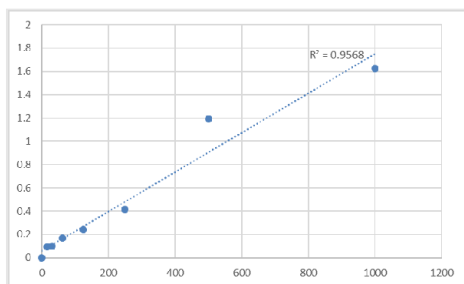
PRODUCT SYNONYMS

S100 Calcium Binding Protein A11 (S100A11); Human S100 Calcium Binding Protein A11 (S100A11) ELISA Kit; S100A11; MLN70; S100C; S100 calcium-binding protein A11 (calgizzarin); calgizzarin; S100A11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human S100 Calcium Binding Protein A11 (S100A11) ELISA Kit has high sensitivity and excellent specificity for detection of Human S100A11. No significant cross-reactivity or interference between Human S100A11 and analogues was observed.
Sequence Length	105
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 S100 Calcium Binding Protein A11 (S100A11) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S100A11 elisa kit	Description: This Human S100 Calcium Binding Protein A11 (S100A11) ELISA Kit employs a two-site sandwich ELISA to quantitate S100A11 in samples. An antibody specific for S100A11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A11 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 S100A11 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: S100A11 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. S100C may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. By in situ hybridization, Moog-Lutz et al. mapped the calgizzarin, or S100C, gene to 1q21. By analysis of clones from this region, Wicki et al. determined that S100A11 is part of the S100 gene cluster and is located near S100A10.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5032057
NCBI GeneID	6282
NCBI Accession #	NP_005611.1
NCBI GenBank Nucleotide #	NP_005611.1
UniProt Accession #	P31949
NCBI Official Full Name	protein S100-A11
NCBI Official Synonym Full Names	S100 calcium binding protein A11
NCBI Official Symbol	S100A11
NCBI Official Synonym Symbols	MLN70; S100C; HEL-S-43
NCBI Protein Information	protein S100-A11
UniProt Protein Name	Protein S100-A11
UniProt Gene Name	S100A11
UniProt Synonym Gene Names	MLN70; S100C; MLN 70
UniProt Entry Name	S10AB_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.