

Human S100 Calcium Binding Protein A8 (S100A8) ELISA Kit | S100A8 elisa kit

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CATALOG #
AAA330962

REACTIVITY
Human

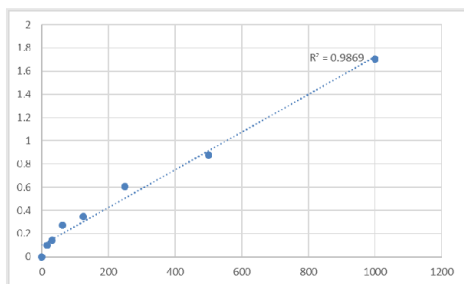
PRODUCT SYNONYMS

S100 Calcium Binding Protein A8 (S100A8); Human S100 Calcium Binding Protein A8 (S100A8) ELISA Kit; S100A8; 60B8AG; CAGA; CFAG; CGLA; CP-10; L1Ag; MA387; MIF; MRP8; NIF; P8; OTTHUMP00000015330; S100 calcium-binding protein A8; S100 calcium-binding protein A8 (calgranulin A); calgranulin A; cystic fibrosis ant; S100A8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human S100 Calcium Binding Protein A8 (S100A8) ELISA Kit has high sensitivity and excellent specificity for detection of Human S100A8. No significant cross-reactivity or interference between Human S100A8 and analogues was observed.
Sequence Length	93
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 A8 (S100A8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S100A8 elisa kit	Description: This Human S100 Calcium Binding Protein A8 (S100A8) ELISA Kit employs a two-site sandwich ELISA to quantitate S100A8 in samples. An antibody specific for S100A8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A8 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 S100A8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: S100A8, a protein associated with a wide variety of inflammatory conditions, is heavily over-expressed in association with inflammation. Human S100A8 possesses neutrophil-repelling properties that result in an anti-inflammatory effect in vivo. The chemotactic activity of S100A8 on neutrophils was tested in Transwell chemotaxis assays. Analysis of the data indicates that S100A8 causes a repulsion of peripheral neutrophils, an activity that S100A8 loses upon its oxidation. S100A8 causes a strong anti-inflammatory effect in the rat air-pouch model of inflammation in vivo. These data highlight a naturally occurring novel anti-inflammatory pathway and provide potential molecular targets for the development of novel anti-inflammatory therapeutics.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47115285
NCBI GeneID	6279
UniProt Accession #	P05109
NCBI Official Full Name	S100A8, partial
NCBI Official Synonym Full Names	S100 calcium binding protein A8
NCBI Official Symbol	S100A8
NCBI Official Synonym Symbols	P8; MIF; NIF; CAGA; CFAG; CGLA; L1Ag; MRP8; CP-10; MA387; 60B8AG
NCBI Protein Information	protein S100-A8
UniProt Protein Name	Protein S100-A8
UniProt Gene Name	S100A8
UniProt Synonym Gene Names	CAGA; CFAG; MRP8; CFAG; MRP-8; p8
UniProt Entry Name	S10A8_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/human-elisa-kits/s100-calcium-binding-protein-a8-s100a8/330962>