

Human S100 Calcium Binding Protein A9/Calgranulin B (S100A9) ELISA Kit | S100A9 elisa kit

Human S100 Calcium Binding Protein A9/Calgranulin B (S100A9) ELISA Kit

CATALOG #
AAA330961

REACTIVITY
Human

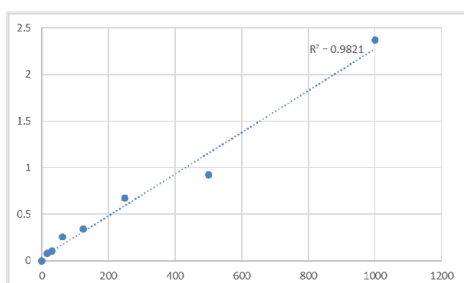
PRODUCT SYNONYMS

S100 Calcium Binding Protein A9/Calgranulin B (S100A9); Human S100 Calcium Binding Protein A9/Calgranulin B (S100A9) ELISA Kit; S100A9; 60B8AG; CAGB; CFAG; CGLB; L1AG; LIAG; MAC387; MIF; MRP14; NIF; P14; S100 calcium-binding protein A9; S100 calcium-binding protein A9 (calgranulin B); calgranulin B; S100A9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human S100 calcium binding protein A9/calgranulin B (S100A9) ELISA Kit has high sensitivity and excellent specificity for detection of Human S100A9. No significant cross-reactivity or interference between Human S100A9 and analogues was observed.
Sequence Length	114
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 A9/calgranulin B (S100A9) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S100A9 elisa kit	Description: This Human S100 calcium binding protein A9/calgranulin B (S100A9) ELISA Kit employs a two-site sandwich ELISA to quantitate S100A9 in samples. An antibody specific for S100A9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A9 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 S100A9 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: S100 calcium binding protein A9 has been implicated in the abnormal differentiation of myeloid cells in the stroma of cancer. This contributes to creating an overall immunosuppressive microenvironemnt that may contribute to the inability of a protective or therapeutic cellular immune response to be generated by the tumor-bearing host. Outside of malignancy, S100A9 in association with its dimerization partner, S100A8 (MRP8 or calgranulin A) signals for lymphocyte recruitment in sites of inflammation. S100A9/A8 (synonyma: Calgranulin A/B; Calprotectin) are also regarded as marker proteins for a number of inflammatory diseases in humans, especially in rheumatoid arthritis.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457442
NCBI GeneID	6280
UniProt Accession #	P06702
NCBI Official Full Name	S100A9, partial
NCBI Official Synonym Full Names	S100 calcium binding protein A9
NCBI Official Symbol	S100A9
NCBI Official Synonym Symbols	MIF; NIF; P14; CAGB; CFAG; CGLB; L1AG; LIAG; MRP14; 60B8AG; MAC387
NCBI Protein Information	protein S100-A9
UniProt Protein Name	Protein S100-A9
UniProt Gene Name	S100A9
UniProt Synonym Gene Names	CAGB; CFAG; MRP14; MRP-14; p14
UniProt Entry Name	S10A9_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/s100-calcium-binding-protein-a9-calgranulin-b-s100a9/330961>