

Mouse S100 Calcium Binding Protein A9 ELISA Kit | S100A9 elisa kit

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CATALOG #
AAA99516

REACTIVITY
Mouse

PRODUCT SYNONYMS

S100 Calcium Binding Protein A9; Mouse S100 Calcium Binding Protein A9 ELISA Kit; S100A9/Calgranulin B/MRP-14/CAGB Migration inhibitory factor-related protein 14/calgranulin B/calgranulin-B/Calgranulin-B/Calprotectin L1H subunit/CFAGMRP-14; 60B8AG/CGLB/L1AG/LIAG/MAC387/MIF/MRP14 Leukocyte L1 complex heavy chain/NIF/P14/p14/protein S100-A9/S100 calcium binding protein A9/S100 calcium binding protein A9 (calgranulin B)/S100 calcium-binding protein A9/S100 calcium-binding protein A9 (calgranulin B); S100A9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A9. No significant cross-reactivity or interference between S100A9 and analogues was observed.
Sequence Length	114
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level S100A9 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level S100A9 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a S100A9 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.089	0.185	0.267	0.474	0.538	1.098	1.59	2.015

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A9 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-S100A9 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-S100A9 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the S100A9 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of S100A9 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29126810
NCBI GeneID	6280
Molecular Weight	13,242 Da
NCBI Official Full Name	S100 calcium binding protein A9
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.

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Online datasheet: <https://www.aaabiotech.com/s100a9-mouse-elisa-kits/s100-calcium-binding-protein-a9/99516>