

Mouse S100 Calcium Binding Protein A8 ELISA Kit | S100A8 elisa kit

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CATALOG #
AAA100367

REACTIVITY
Mouse

PRODUCT SYNONYMS

S100 Calcium Binding Protein A8; Mouse S100 Calcium Binding Protein A8 ELISA Kit; S100A8/Calgranulin A/CFAG/MRP8/60B8AG/CAGACP-10/calgranulin A/calgranulin-A/Calgranulin-A/Calprotectin L1L subunit/CFAGL1Ag/CGLA/Cystic fibrosis antigen/Leukocyte L1 complex light chain/MA387/MIF/Migration inhibitory factor-related protein 8/MRP-8/MRP8S100 calcium binding protein A8 (calgranulin A)/NIF/P8/p8/protein S100-A8/S100 calcium binding protein A8/S100 calcium-binding protein A8/S100 calcium-binding protein A8 (calgranulin A)/Urinary stone protein band A; S100A8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A8. No significant cross-reactivity or interference between S100A8 and analogues was observed.
Sequence Length	93
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level S100A8 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 S100A8 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 S100A8 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	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.053	0.111	0.145	0.272	0.381	0.793	1.338	1.94

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A8 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-S100A8 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- S100A8 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 S100A8 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of S100A8 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13543539
NCBI GeneID	6279
Molecular Weight	10,835 Da
NCBI Official Full Name	S100 calcium binding protein A8
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/s100a8-mouse-elisa-kits/s100-calcium-binding-protein-a8/100367>