

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

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CATALOG #
AAA151272

REACTIVITY
Pig

PRODUCT SYNONYMS

S100 Calcium Binding Protein A8 (S100A8); Pig S100 Calcium Binding Protein A8 (S100A8) ELISA Kit; S100A8/S100 Calcium Binding Protein A8; MRP8; MIF; 60B8AG; CAGA; CFAG; CGLA; CP-10; L1Ag; NIF; P8; Calgranulin A; Cystic fibrosis antigen; Leukocyte L1 complex light chain; Migration inhibitory factor-related protein 8; S100A8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
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.
Assay Type	Quantitative Sandwich
Samples	Porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.2pg/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<10%
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<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for S100A8 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to S100A8. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to S100A8. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain S100A8, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of S100A8 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of S100A8 in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for S100A8 elisa kit	Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	237681310
NCBI GeneID	100127488
NCBI Accession #	NP_001153743.1
NCBI GenBank Nucleotide #	NM_001160271.3
UniProt Accession #	C3S7K5; K7GQW2
Molecular Weight	10,416 Da
NCBI Official Full Name	protein S100-A8
NCBI Official Symbol	S100A8
NCBI Protein Information	protein S100-A8
UniProt Protein Name	Protein S100
UniProt Gene Name	S100A8

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/pig-elisa-kits/s100-calcium-binding-protein-a8-s100a8/151272>