

## Human S100 Calcium Binding Protein A9 (S100A9) ELISA Kit | S100A9 elisa kit

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CATALOG #  
**AAA66726**

REACTIVITY  
**Human**

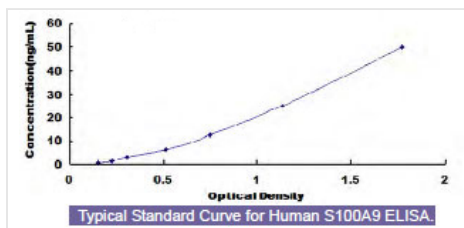
### PRODUCT SYNONYMS

S100 Calcium Binding Protein A9 (S100A9); Human S100 Calcium Binding Protein A9 (S100A9) ELISA Kit; MRP14 MIF 60B8AG CFAG NIF CAGB CGLB L1AG P14 Calgranulin B Migration inhibitory factor-related protein 14 Calprotectin L1H subunit Leukocyte L1 complex heavy chain; S100A9 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                        |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.                                                                                                      |
| Assay Type              | Sandwich                                                                                                                                                                                                   |
| Detection Range         | 0.781-50ng/mL                                                                                                                                                                                              |
| Sensitivity             | 0.24ng/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<10%                                   |
| 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<12% |
| Preparation and Storage | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for S100A9 elisa kit | <p>Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of S100A9 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to S100A9. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to S100A9. 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 S100A9, 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 S100A9 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 4506773                                                            |
| NCBI GeneID                      | 6280                                                               |
| NCBI Accession #                 | NP_002956.1                                                        |
| NCBI GenBank Nucleotide #        | NM_002965.3                                                        |
| UniProt Accession #              | P06702; Q6FGA1; Q9NYM0; Q9UCJ1; D3DV36                             |
| Molecular Weight                 | 13,242 Da                                                          |
| NCBI Official Full Name          | protein S100-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                                     |

**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-a9-s100a9/66726>