

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

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CATALOG #  
**AAA16513**

REACTIVITY  
**Mouse**

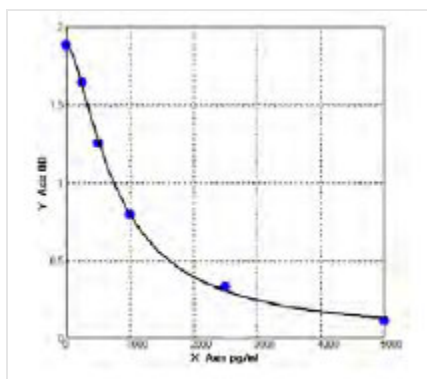
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive or Sandwich                                       |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for S100A9 elisa kit

**Intended Uses:** This S100A9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human S100A9. This ELISA kit for research use only!

**Principle of the Assay:** S100A9 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for S100A9. Standards or samples are then added to the microtiter plate wells and S100A9 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of S100A9 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for S100A9 are added to each well to "sandwich" the S100A9 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain S100A9 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A9 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                            |                                        |
|----------------------------|----------------------------------------|
| NCBI GI #                  | 49457442                               |
| UniProt Accession #        | P06702; Q6FGA1; Q9NYM0; Q9UCJ1; D3DV36 |
| Molecular Weight           | 13,242 Da                              |
| NCBI Official Full Name    | S100A9, partial                        |
| UniProt Protein Name       | Protein S100-A9                        |
| UniProt Gene Name          | <b>S100A9</b>                          |
| 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://stage.aaabiotech.com/s100a9-mouse-elisa-kits/s100-calcium-binding-protein-a9/16513>