

## Goat S100 Calcium Binding Protein A8 ELISA Kit | S100A8 elisa kit

Goat S100 Calcium Binding Protein A8 ELISA Kit

CATALOG #  
**AAA93265**

REACTIVITY  
**Goat**

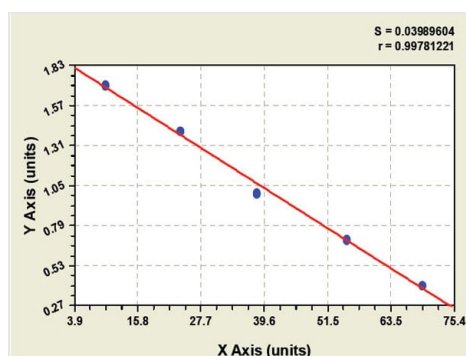
### PRODUCT SYNONYMS

S100 Calcium Binding Protein A8; Goat S100 Calcium Binding Protein A8 ELISA Kit; S100A8 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Competitive                                                                                                                                                                               |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                                |
| Intended Uses           | This S100A8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat S100A8. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                        |

### IMAGES



### ADDITIONAL INFORMATION

#### Related Product Information for S100A8 elisa kit

**Principle of the Assay:** S100A8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-S100A8 antibody and an S100A8-HRP conjugate. The assay sample and buffer are incubated together with S100A8-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the S100A8 concentration since S100A8 from samples and S100A8-HRP conjugate compete for the anti-S100A8 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100A8 from the sample, fewer sites are left to bind S100A8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A8 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for S100A8 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| NCBI GI #                  | 47115285                                                       |
| UniProt Accession #        | P05109; Q5SY70; Q9UC84; Q9UC92; Q9UCJ0; Q9UCM6; A8K5L3; D3DV37 |
| Molecular Weight           | 10,835 Da                                                      |
| NCBI Official Full Name    | S100A8                                                         |
| UniProt Protein Name       | Protein S100-A8                                                |
| UniProt Gene Name          | <b>S100A8</b>                                                  |
| 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-goat-elisa-kits/s100-calcium-binding-protein-a8/93265>