

## Mouse S100A13 ELISA Kit | S100a13 elisa kit

Mouse S100A13 PicoKine ELISA Kit

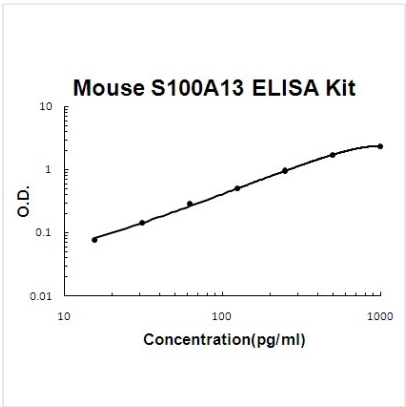
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| CATALOG #<br><b>AAA46793</b> | REACTIVITY<br><b>Mouse</b> |
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### PRODUCT SYNONYMS

S100A13; Mouse S100A13 PicoKine ELISA Kit; Protein S100 A13; Protein S100-A13; S100 calcium binding protein A13; S100 calcium-binding protein A13; S100a13; S10AD\_HUMAN; Q99584; S100a13 elisa kit

### PRODUCT SPECIFICATIONS

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Reactivity                  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity                 | Natural and recombinant mouse S100A13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Length             | 98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Assay Range                 | 15.6pg/ml-1000pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sensitivity                 | <10pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Anticoagulant               | heparin or EDTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TMB incubation time         | 15-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                   | E Coli, M1-K98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sample data                 | Concentration(pg/ml):  0 15.6 31.2 62.5 125 250 500 1000<br>O.D.:  0.007 0.075 0.142 0.281 0.491 0.941 1.690 2.279                                                                                                                                                                                                                                                                                                                                                                                                          |
| Intra/Inter Assay Precision | Sample:  1 2 3 1 2 3<br>n 16 16 16 24 24 24<br>Mean(pg/ml):  16.8 115 491 27 69 302<br>Standard deviation:  0.64 7.01 20.62 1.21 2.48 21.44<br>CV(%):  3.8 6.1 4.2 4.5 3.6 7.1                                                                                                                                                                                                                                                                                                                                              |
| Assay Procedure Step 1      | Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse S100A13 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, cell lysates, tissue homogenates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse S100A13 standard solution and each sample be measured in duplicate. |
| Preparation and Storage     | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                         |



Standard Curve (Sample)  
Mouse S100A13 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Related Product Information for S100a13 elisa kit</b> | <p>For quantitative detection of mouse S100A13 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA).</p> <p>Background: S100 calcium-binding protein A13 (S100A13) is a protein that in humans is encoded by the S100A13 gene. The characterization of a human gene, S100A13 encodes a calcium-binding protein belonging to the S100 protein family. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.</p> <p>Principle: Mouse S100A13 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Rat specific for S100A13 has been precoated onto 96-well plates. Standards (Expression system for standard: E Coli, Immunogen sequence: M1-K98) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for S100A13 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was 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 Mouse S100A13 amount of sample captured in plate.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|----------------------------------|
| NCBI GI #                        | 2493417                          |
| NCBI GeneID                      | 20196                            |
| UniProt Accession #              | P97352                           |
| Molecular Weight                 | 11,158 Da                        |
| NCBI Official Full Name          | Protein S100-A13                 |
| NCBI Official Synonym Full Names | S100 calcium binding protein A13 |
| NCBI Official Symbol             | S100a13                          |
| NCBI Protein Information         | protein S100-A13                 |
| UniProt Protein Name             | Protein S100-A13                 |
| UniProt Gene Name                | S100a13                          |

**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.

