

Rat S100 calcium binding protein A4 (S100A4) ELISA Kit



Catalog No: #EK7481

Orders: order@signalwayantibody.com

Package Size: #EK7481-1 48T #EK7481-2 96T

Support: tech@signalwayantibody.com

Description

| | |
|--------------------|---|
| Product Name | Rat S100 calcium binding protein A4 (S100A4) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Rat (<i>Rattus norvegicus</i>) |
| Other Names | 18A2; 42A; CAPL; FSP1; MTS1; P9KA; PEL98; OTTHUMP00000015469 OTTHUMP00000032895 S100 calcium binding protein A4 (calcium protein; calvasculin; metastasin; murine placental homolog) S100 calcium-bind |
| Accession No. | P05942 |
| Uniprot | P05942 |
| GeneID | 24615; |
| Storage | The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.059 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate S100A4 in samples. An antibody specific for S100A4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyS100A4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of S100A4 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**S100 calcium binding protein A4 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21.

This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have

been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Note: This product is for in vitro research use only