

Rat Protein S100-A11 (S100A11) ELISA Kit

Catalog No: #EK7485



Package Size: #EK7485-1 48T #EK7485-2 96T

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Description

Product Name	Rat Protein S100-A11 (S100A11) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	MLN70; S100C; S100 calcium-binding protein A11 (calgizzarin) calgizzarin
Accession No.	P24480
Uniprot	P24480
GeneID	100008975;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.61 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 S100A11 in samples. An antibody specific for S100A11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyS100A11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A11 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 S100A11 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:** 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. S100C may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis.By in situ hybridization, Moog-Lutz et al. mapped the calgizzarin, or S100C, gene to 1q21. By analysis of clones from this region, Wicki et al. determined that S100A11 is part of the S100 gene cluster and is located near S100A10

Note: This product is for in vitro research use only