

Mouse Small proline-rich protein 2A (SPRR2A) ELISA Kit

Catalog No: #EK6624

Orders: order@signalwayantibody.com

Package Size: #EK6624-1 48T #EK6624-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Small proline-rich protein 2A (SPRR2A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Accession No.	Q9CQK8
Uniprot	Q9CQK8
GeneID	100042514;100303744;20755;
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:Request Information

Sensitivity:Request Information

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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate SPRR2A in samples. An antibody specific for SPRR2A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPRR2A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPRR2A 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 SPRR2A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SPRR genes encode a novel class of polypeptides called small proline-rich proteins that are strongly induced during differentiation of human epidermal keratinocytes in vitro and in vivo. Small proline-rich protein 2A is a protein encoded by the SPRR2A gene.Gibbs et al. (1993) concluded that there are 7 genes for the SPRR2 subfamily of small proline-rich proteins, including SPRR2A.Using DNA microarray analysis, Zimmermann et al. (2005) identified Sprr2a and Sprr2b (182268) as allergen-induced genes in a mouse model of experimental asthma.

By analysis of human-rodent hybrid cell lines and FISH, Gibbs et al. (1993) determined that all SPRR genes, including SPRR2A, are closely linked within a 300-kb DNA segment on chromosome 1q21-q22.

Note: This product is for in vitro research use only