Mouse Extracellular matrix protein 1 (ECM1) ELISA Kit

Catalog No: #EK10501

Package Size: #EK10501-1 48T #EK10501-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Extracellular matrix protein 1 (ECM1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP11-54A4.6; secretory component p85
Accession No.	Q61508
Uniprot	Q61508
GeneID	13601;
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:46.88-3000 pg/mL

Sensitivity:14.45 pg/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 ECM1 in samples. An antibody specific for ECM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyECM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ECM1 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 ECM1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Extracellular matrix protein 1 is an extracellular protein containing motifs with a cysteine pattern characteristic of the cysteine pattern of the ligand-binding "double-loop" domains of the albumin protein family. This gene maps outside of the epidermal differentiation complex (EDC), a cluster of three gene families involved in epidermal differentiation. Alternatively spliced transcript variants encoding distinct isoforms have been described.

Defects in ECM1 are the cause of lipoid proteinosis also known as lipoid proteinosis of Urbach and Wiethe or hyalinosis cutis et mucosae. LiP is a rare autosomal recessive disorder characterized by generalized thickening of skin, mucosae and certain viscera. Classical features include beaded eyelid papules and laryngeal infiltration leading to hoarseness.

Note: This product is for in vitro research use only