

Mouse Ras-related protein Rab-5A (RAB5A) ELISA Kit

Catalog No: #EK7818

Package Size: #EK7818-1 48T #EK7818-2 96T

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Description

Product Name	Mouse Ras-related protein Rab-5A (RAB5A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	RAB5; RAS-associated protein RAB5A
Accession No.	Q9CQD1
Uniprot	Q9CQD1
GeneID	271457;
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:0.156-10 ng/mL

Sensitivity:0.078 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 RAB5A in samples. An antibody specific for RAB5A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRAB5A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB5A 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 RAB5A bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Ras-related protein Rab-5A is a protein that in humans is encoded by the RAB5A gene.RAB5A localizes to early endosomes where it is involved in the recruitment of RAB7A and the maturation of these compartments to late endosomes. It drives the maturation of endosomes by transporting vacuolar (H⁺)-ATPases (V-ATPases) from trans-Golgi network to endocytic vesicles.

Note: This product is for in vitro research use only