

Human Ras-related protein Rab-5C (RAB5C) ELISA Kit

Catalog No: #EK7816

Package Size: #EK7816-1 48T #EK7816-2 96T

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Description

Product Name	Human Ras-related protein Rab-5C (RAB5C) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC117217; MGC138857; RAB5CL; RABL; RAB; member of RAS oncogene family-like RAB5C; member of RAS oncogene family
Accession No.	P51148
Uniprot	P51148
GeneID	5878;
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:0.055 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 RAB5C in samples. An antibody specific for RAB5C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRAB5C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB5C 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 RAB5C bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Members of the Rab protein family are small GTPases of the Ras superfamily that are thought to ensure fidelity in the process of docking and/or fusion of vesicles with their correct acceptor compartment. Han et al. (1996) isolated fetal lung cDNAs encoding a RAB protein that they designated RABL (RAB5-like). The predicted 216-amino acid RABL protein shares 86% identity with RAB5A and RAB5B and contains the conserved GTP-binding site characteristic of RAS proteins. RT-PCR analysis revealed that RABL is expressed ubiquitously. By analysis of cloned segments, Albertsen et al. (1994) determined that the RABL gene, which they called BC1-16, is located in the BRCA1 gene region on chromosome 17q12-q21. Han et al. (1996) refined the map position to 17q21.2 using FISH.

Note: This product is for in vitro research use only