

# Human Ras-related protein Rab-37 (RAB37) ELISA Kit



Catalog No: #EK7821

Orders: order@signalwayantibody.com

Package Size: #EK7821-1 48T #EK7821-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Ras-related protein Rab-37 (RAB37) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ30284; FLJ32507; RAB37; member of RAS oncogene family Rab37-like
Accession No.	Q96AX2
Uniprot	Q96AX2
GeneID	326624;
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:0.312-20 ng/mL

Sensitivity:0.122 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 RAB37 in samples. An antibody specific for RAB37 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRAB37 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB37 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 RAB37 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Using yeast 2-hybrid analysis with mouse Rab5 as bait, Masuda et al. (2000) identified Rab37 from a mouse mast cell line. The deduced Rab37 protein contains sequence motifs conserved in other low molecular mass GTPases. It shares 74% and 47% amino acid sequence identity with rat RAB26 and mouse Rab8 (RAB8A). Northern blot analysis showed expression of 2.3- and 1.2-kb Rab37 transcripts exclusively in the MC9 mast cell line. Immunoprecipitation followed by Western blot analysis of a panel of mouse tissues showed that a 34-kD band corresponding to the Rab37 protein is expressed exclusively in bone marrow mast cells. Expression of GFP-tagged Rab37 in bone marrow mast cells showed that Rab37 localizes to secretory granules.

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Note: This product is for in vitro research use only