

Mouse Ras-related protein Rab-8A (RAB8A) ELISA Kit

Catalog No: #EK11392

Orders: order@signalwayantibody.com

Package Size: #EK11392-1 48T #EK11392-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Ras-related protein Rab-8A (RAB8A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	MEL; RAB8; mel transforming oncogene mel transforming oncogene (RAB8 homolog) mel transforming oncogene (derived from cell line NK14) mel transforming oncogene (derived from cell line NK14)- RAB8 ho
Accession No.	P55258
Uniprot	P55258
GeneID	17274;
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:0.312-20 ng/mL

Sensitivity:0.113 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 RAB8A in samples. An antibody specific for RAB8A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRAB8A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB8A 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 RAB8A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**RAB8A is a member of the RAS superfamily which are small GTP/GDP-binding proteins with an average size of 200 amino acids. The RAS-related proteins of the RAB/YPT family may play a role in the transport of proteins from the endoplasmic reticulum to the Golgi and the plasma membrane.

This protein shares 97%, 96%, and 51% similarity with the dog RAB8, mouse MEL, and mouse YPT1 proteins, respectively and contains the 4 GTP/GDP-binding sites that are present in all the RAS proteins. The putative effector-binding site of this protein is similar to that of the RAB/YPT proteins. However, this protein contains a C-terminal CAAX motif that is characteristic of many RAS superfamily members but which is not found in YPT1 and the majority of RAB proteins.

Note: This product is for in vitro research use only