

Human Ras-Related Protein Rab-5B (RAB5B) ELISA Kit | RAB5B elisa kit

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CATALOG #
AAA331173

REACTIVITY
Human

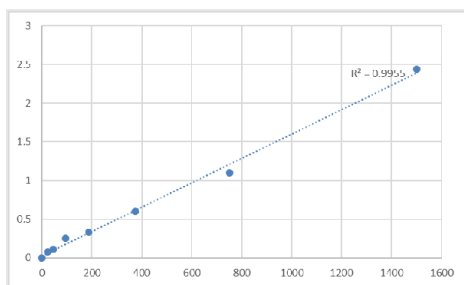
PRODUCT SYNONYMS

Ras-Related Protein Rab-5B (RAB5B); Human Ras-Related Protein Rab-5B (RAB5B) ELISA Kit; RAB5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ras-related protein Rab-5B (RAB5B) ELISA Kit has high sensitivity and excellent specificity for detection of Human RAB5B. No significant cross-reactivity or interference between Human RAB5B and analogues was observed.
Sequence Length	215
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Ras-related protein Rab-5B (RAB5B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RAB5B elisa kit	Description: This Human Ras-related protein Rab-5B (RAB5B) ELISA Kit employs a two-site sandwich ELISA to quantitate RAB5B in samples. An antibody specific for RAB5B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RAB5B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAB5B 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 RAB5B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: A subset of these GTPases plays a central role in membrane trafficking. Each of the several proteins of this subfamily that have been identified is thought to regulate vesicular trafficking at a specific subcellular compartment. The subcellular location of several RAB proteins has been determined by immunohistochemical methods. For example, RAB2 is found in the intermediate recycling pathway between the endoplasmic reticulum and the Golgi complex. RAB6 is distributed in the medial and trans Golgi. RAB4 and RAB5A are associated with the plasma membrane and early endosomes. The newly identified RAB protein was 81% identical to human RAB5, the canine counterpart of which had been localized to the plasma membrane and early endosomes. RAB5B is presumably involved in vesicular trafficking at the plasma membrane.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46577637
NCBI GeneID	5869
UniProt Accession #	P61020
NCBI Official Full Name	Ras-related protein Rab-5B
NCBI Official Synonym Full Names	RAB5B, member RAS oncogene family
NCBI Official Symbol	RAB5B
NCBI Protein Information	ras-related protein Rab-5B
UniProt Protein Name	Ras-related protein Rab-5B
UniProt Gene Name	RAB5B
UniProt Entry Name	RAB5B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.