

Mouse Ras-related protein Rab-18 (RAB18) ELISA Kit | RAB18 elisa kit

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CATALOG #
AAA27070

REACTIVITY
Mouse

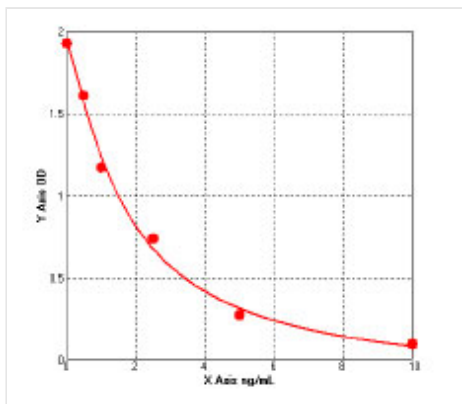
PRODUCT SYNONYMS

Ras-related protein Rab-18 (RAB18); Mouse Ras-related protein Rab-18 (RAB18) ELISA Kit; RAB18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of RAB18. No significant cross-reactivity or interference between RAB18 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RAB18 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RAB18 elisa kit	Principle of the Assay: RAB18 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RAB18 antibody and an RAB18-HRP conjugate. The assay sample and buffer are incubated together with RAB18-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RAB18 concentration since RAB18 from samples and RAB18-HRP conjugate compete for the anti-RAB18 antibody binding site. Since the number of sites is limited, as more sites are occupied by RAB18 from the sample, fewer sites are left to bind RAB18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RAB18 concentration in each sample is interpolated from this standard curve. Intended Uses: This RAB18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse RAB18. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for RAB18 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	10880989
NCBI GeneID	22931
NCBI Accession #	NP_067075.1
NCBI GenBank Nucleotide #	NM_021252.4
Molecular Weight	15,508 Da
NCBI Official Full Name	ras-related protein Rab-18 isoform 1
NCBI Official Synonym Full Names	RAB18, member RAS oncogene family
NCBI Official Symbol	RAB18
NCBI Official Synonym Symbols	WARBM3; RAB18LI1
NCBI Protein Information	ras-related protein Rab-18; RAB18 small GTPase
UniProt Protein Name	Ras-related protein Rab-18
UniProt Gene Name	RAB18
UniProt Entry Name	RAB18_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/ras-related-protein-rab-18-rab18/27070>