

Mouse Ras protein ELISA Kit | Ras elisa kit

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CATALOG #
AAA84822

REACTIVITY
Mouse

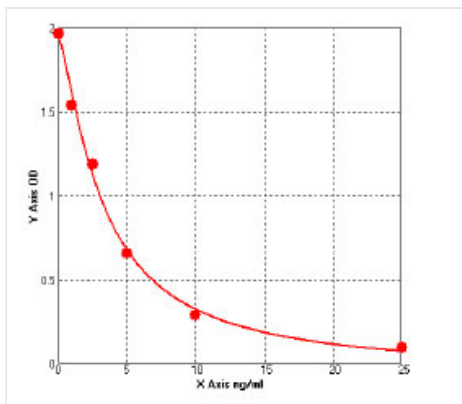
PRODUCT SYNONYMS

Ras protein; Mouse Ras protein ELISA Kit; Ras elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of RAS. No significant cross-reactivity or interference between RAS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RAS 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 Ras elisa kit	Principle of the Assay: RAS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RAS antibody and an RAS-HRP conjugate. The assay sample and buffer are incubated together with RAS-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 RAS concentration since RAS from samples and RAS-HRP conjugate compete for the anti-RAS antibody binding site. Since the number of sites is limited, as more sites are occupied by RAS from the sample, fewer sites are left to bind RAS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RAS concentration in each sample is interpolated from this standard curve. Intended Uses: This RAS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse RAS. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	190938
NCBI GeneID	3265
Molecular Weight	18,870 Da
NCBI Official Full Name	ras protein, partial
NCBI Official Synonym Full Names	Harvey rat sarcoma viral oncogene homolog
NCBI Official Symbol	HRAS
NCBI Official Synonym Symbols	CTLO; HAMSVM; HRAS1; RASH1; p21ras; C-H-RAS; H-RASIDX; C-BAS/HAS; C-HA-RAS1
NCBI Protein Information	GTPase HRas; p19 H-RasIDX protein; c-has/bas p21 protein; transforming protein p21; Ha-Ras1 proto-oncoprotein; c-ras-Ki-2 activated oncogene; GTP- and GDP-binding peptide B; transformation gene: oncogene HAMSVM; Harvey rat sarcoma viral oncoprotein; Ras family small GTP binding protein H-Ras; v-Ha-ras Harvey rat sarcoma viral oncogene homolog
UniProt Protein Name	GTPase HRas
UniProt Gene Name	HRAS
UniProt Synonym Gene Names	HRAS1
UniProt Entry Name	RASH_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.