

Human V-Ha-Ras Harvey Sarcoma Viral Oncogene Homolog (HRAS) ELISA Kit | HRAS elisa kit

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CATALOG # AAA189748	REACTIVITY Human
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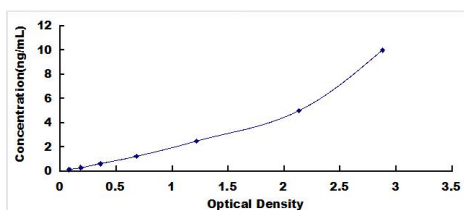
PRODUCT SYNONYMS

V-Ha-Ras Harvey Sarcoma Viral Oncogene Homolog (HRAS); Human V-Ha-Ras Harvey Rat Sarcoma Viral Oncogene Homolog (HRAS) ELISA Kit; HRAS1; K-Ras; N-Ras; RASH1; C-Bas/Has; H-Ras; Transforming protein p21; HRAS/V-Ha-Ras Harvey Rat Sarcoma Viral Oncogene Homolog; HRAS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HRAS. No significant cross-reactivity or interference between HRAS and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HRAS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HRAS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HRAS elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HRAS. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HRAS. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HRAS, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HRAS in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HRAS in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for HRAS elisa kit	Signal transduction; Apoptosis; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	190938
NCBI GeneID	3265
UniProt Accession #	P01112; Q14080; Q6FHV9; Q9BR65; Q9UCE2; B5BUA0
Molecular Weight	21,298 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; HAMSV; HRAS1; K-RAS; N-RAS; RASH1; C-H-RAS; H-RASIDX; C-BAS/HAS; C-HA-RAS1
NCBI Protein Information	GTPase HRas; p21ras; H-Ras-1; 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 HAMSV; Ras family small GTP bindin
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.