

Mouse V-Ki-Ras2 Kirsten Sarcoma Viral Oncogene Homolog (KRAS) ELISA Kit | KRAS elisa kit

Mouse V-Ki-Ras2 Kirsten Rat Sarcoma Viral Oncogene Homolog (KRAS) ELISA Kit

CATALOG # AAA189867	REACTIVITY Mouse
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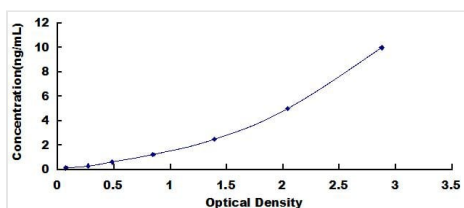
PRODUCT SYNONYMS

V-Ki-Ras2 Kirsten Sarcoma Viral Oncogene Homolog (KRAS); Mouse V-Ki-Ras2 Kirsten Rat Sarcoma Viral Oncogene Homolog (KRAS) ELISA Kit; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; KI-RAS; KRAS1; KRAS2; NS3; RASK2; KRAS/V-Ki-Ras2 Kirsten Rat Sarcoma Viral Oncogene Homolog; KRAS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of KRAS. No significant cross-reactivity or interference between KRAS and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KRAS 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 KRAS 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 KRAS elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to KRAS. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to KRAS. 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 KRAS, 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 KRAS 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 KRAS in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for KRAS elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	266458391
NCBI GeneID	16653
NCBI Accession #	NP_067259.4
NCBI GenBank Nucleotide #	NM_021284.6
UniProt Accession #	P32883; P04200; P08643
Molecular Weight	21,656 Da
NCBI Official Full Name	GTPase KRas
NCBI Official Synonym Full Names	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
NCBI Official Symbol	Kras
NCBI Official Synonym Symbols	ras; p21B; K-ras; Kras2; Ki-ras; Kras-2; AI929937
NCBI Protein Information	GTPase KRas; K-Ras 2; c-K-ras; c-Ki-ras; p21 protein; Kirsten rat sarcoma oncogene 2, expressed
UniProt Protein Name	GTPase KRas
UniProt Gene Name	Kras
UniProt Synonym Gene Names	Kras2
UniProt Entry Name	RASK_MOUSE

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.