

Human KRAS (GTPase KRas) ELISA Kit | KRAS elisa kit

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CATALOG #
AAA249251

REACTIVITY
Human

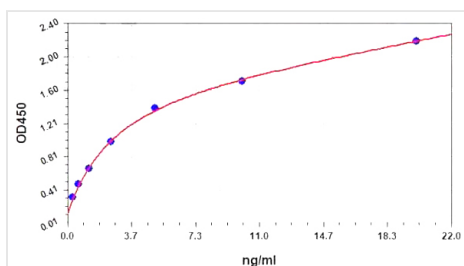
PRODUCT SYNONYMS

KRAS (GTPase KRas); Human KRAS (GTPase KRas) ELISA Kit; C K RAS; c Ki ras; GTPase KRas; K Ras 2; K RAS2A; K RAS2B; K RAS4A; K RAS4B; KI RAS; KRAS; KRAS1; KRAS2; KRAS2B specific; Krasa; Krasb; NS3; RASK2; KRAS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize KRAS, no obvious cross reaction with other analogues
Sequence Length	189
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KRAS elisa kit	Background: GTPase KRas (KRAS) is a signal transducer protein, which plays an important role in various cellular signalling events such as in regulation of cell proliferation. It is a critical hub in the cell circuitry, as upon an upstream stimulus it transduces activating signals to several cellular signalling pathways, including the mitogen-activated protein kinase (MAPK) pathway. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti KRAS antibody was pre-coated onto the 96-well plate. The biotin conjugated anti KRAS antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with KRAS conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of KRAS in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	131875
NCBI GeneID	3845
UniProt Accession #	P01116
NCBI Official Full Name	GTPase KRas
NCBI Official Synonym Full Names	KRAS proto-oncogene, GTPase
NCBI Official Symbol	KRAS
NCBI Official Synonym Symbols	NS; NS3; OES; CFC2; RALD; K-Ras; KRAS1; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; K-Ras 2; 'C-K-RAS; c-Ki-ras; c-Ki-ras2
NCBI Protein Information	GTPase KRas
UniProt Protein Name	GTPase KRas
UniProt Gene Name	KRAS
UniProt Synonym Gene Names	KRAS2; RASK2
UniProt Entry Name	RASK_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.