

Human Keratin 18 (KRT18) ELISA Kit | KRT18 elisa kit

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CATALOG #
AAA137541

REACTIVITY
Human

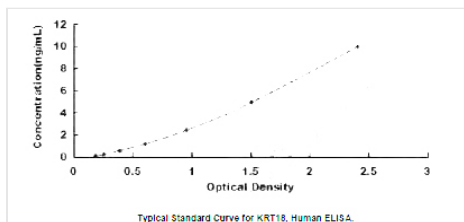
PRODUCT SYNONYMS

Keratin 18 (KRT18); Human Keratin 18 (KRT18) ELISA Kit; CK18; CYK18; K18; Cytokeratin 18; Cell proliferation-inducing gene 46 protein; Keratin; type I cytoskeletal 18; KRT18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	430
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.060ng/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	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 KRT18 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KRAS in human serum, plasma, tissue homogenates and other biological fluids. 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.
Product Categories/Family for KRT18 elisa kit	Tumor immunity; Pulmonology; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	40354195
NCBI GeneID	3875
NCBI Accession #	NP_954657.1
NCBI GenBank Nucleotide #	NM_199187.1
UniProt Accession #	P05783; Q53G38; Q5U0N8; Q9BW26
Molecular Weight	48,058 Da
NCBI Official Full Name	keratin, type I cytoskeletal 18
NCBI Official Synonym Full Names	keratin 18, type I
NCBI Official Symbol	KRT18
NCBI Official Synonym Symbols	K18; CK-18; CYK18
NCBI Protein Information	keratin, type I cytoskeletal 18
UniProt Protein Name	Keratin, type I cytoskeletal 18
UniProt Gene Name	KRT18
UniProt Synonym Gene Names	CYK18; CK-18; K18
UniProt Entry Name	K1C18_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.