

Mouse Kelch Like ECH Associated Protein 1 (KEAP1) ELISA Kit | KEAP1 elisa kit

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CATALOG #
AAA140830

REACTIVITY
Mouse

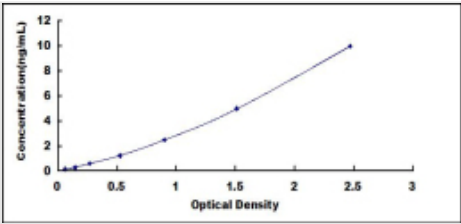
PRODUCT SYNONYMS

Kelch Like ECH Associated Protein 1 (KEAP1); Mouse Kelch Like ECH Associated Protein 1 (KEAP1) ELISA Kit; INrf2; KLHL19; Cytosolic inhibitor of Nrf2; Kelch-like protein 19; KEAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Kelch Like ECH Associated Protein 1 (KEAP1). No significant cross-reactivity or interference between Kelch Like ECH Associated Protein 1 (KEAP1) and analogues was observed.
Sequence Length	624
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Kelch Like ECH Associated Protein 1 (KEAP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kelch Like ECH Associated Protein 1 (KEAP1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 KEAP1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Kelch Like ECH Associated Protein 1 (KEAP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Kelch Like ECH Associated Protein 1 (KEAP1). 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 Kelch Like ECH Associated Protein 1 (KEAP1), 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 Kelch Like ECH Associated Protein 1 (KEAP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KEAP1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	22027642
NCBI GeneID	9817
NCBI Accession #	NP_036421.2
NCBI GenBank Nucleotide #	NM_012289.3
Molecular Weight	69,666 Da
NCBI Official Full Name	kelch-like ECH-associated protein 1
NCBI Official Synonym Full Names	kelch-like ECH-associated protein 1
NCBI Official Symbol	KEAP1
NCBI Official Synonym Symbols	INrf2; KLHL19
NCBI Protein Information	kelch-like ECH-associated protein 1
UniProt Protein Name	Kelch-like ECH-associated protein 1
UniProt Gene Name	KEAP1
UniProt Synonym Gene Names	INRF2; KIAA0132; KLHL19; INrf2
UniProt Entry Name	KEAP1_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.