

Rat Kruppel Like Factor 2, Lung (KLF2) ELISA Kit | KLF2 elisa kit

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CATALOG #
AAA13948

REACTIVITY
Rat

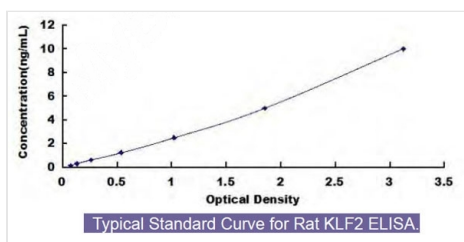
PRODUCT SYNONYMS

Kruppel Like Factor 2; Lung (KLF2); Rat Kruppel Like Factor 2; Lung (KLF2) ELISA Kit; LKLF; Lung krueppel-like factor; KLF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of KLF2. No significant cross-reactivity or interference between KLF2 and analogues was observed.
Sequence Length	351
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.068ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KLF2 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 KLF2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLF2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KLF2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KLF2. 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 KLF2, 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 KLF2 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 the in vitro quantitative measurement of KLF2 in rat tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56090542
NCBI GeneID	306330
NCBI Accession #	NP_001007685.1
NCBI GenBank Nucleotide #	NM_001007684.1
UniProt Accession #	Q9ET58
Molecular Weight	37,313 Da
NCBI Official Full Name	Krueppel-like factor 2
NCBI Official Synonym Full Names	Kruppel-like factor 2
NCBI Official Symbol	Klf2
NCBI Official Synonym Symbols	Lklf
NCBI Protein Information	Krueppel-like factor 2
UniProt Protein Name	Krueppel-like factor 2
UniProt Gene Name	Klf2
UniProt Synonym Gene Names	Lklf

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.