

Mouse Kruppel Like Factor 1, Erythroid (KLF1) ELISA Kit | KLF1 elisa kit

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CATALOG #
AAA64884

REACTIVITY
Mouse

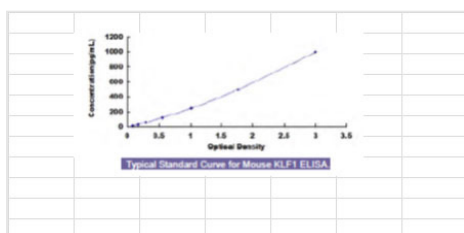
PRODUCT SYNONYMS

Kruppel Like Factor 1; Erythroid (KLF1); Mouse Kruppel Like Factor 1; Erythroid (KLF1) ELISA Kit; EKLF; Erythroid krueppel-like transcription factor; KLF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of KLF1. No significant cross-reactivity or interference between KLF1 and analogues was observed.
Sequence Length	358
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	5.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KLF1 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 KLF1 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 KLF1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KLF1 in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KLF1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KLF1. 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 KLF1, 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 KLF1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2507549
NCBI GeneID	16596
UniProt Accession #	P46099; O70261
Molecular Weight	37,757 Da
NCBI Official Full Name	Krueppel-like factor 1
NCBI Official Synonym Full Names	Kruppel-like factor 1 (erythroid)
NCBI Official Symbol	Klf1
NCBI Official Synonym Symbols	Nan; Eklf
NCBI Protein Information	Krueppel-like factor 1
UniProt Protein Name	Krueppel-like factor 1
UniProt Gene Name	Klf1
UniProt Synonym Gene Names	Elkf; EKLF

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/kruppel-like-factor-1-erythroid-klf1/64884>