

Human Kruppel Like Factor 5, Intestinal (KLF5) ELISA Kit | KLF5 elisa kit

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CATALOG #
AAA138341

REACTIVITY
Human

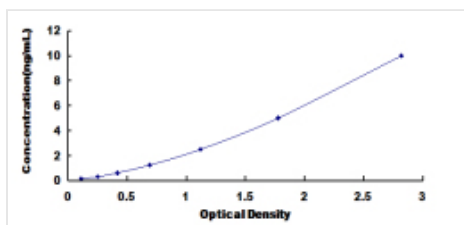
PRODUCT SYNONYMS

Kruppel Like Factor 5; Intestinal (KLF5); Human Kruppel Like Factor 5; Intestinal (KLF5) ELISA Kit; KLF5; BTEB2; CKLF; IKLF; Intestinal Enriched Krüppel-Like Factor; Colon krueppel-like factor; Basic Transcription Element Binding Protein 2; GC-box-binding protein 2; KLF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kruppel Like Factor 5, Intestinal (KLF5). No significant cross-reactivity or interference between Kruppel Like Factor 5, Intestinal (KLF5) and analogues was observed.
Sequence Length	366
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Kruppel Like Factor 5, Intestinal (KLF5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kruppel Like Factor 5, Intestinal (KLF5) 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 KLF5 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 Kruppel Like Factor 5, Intestinal (KLF5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Kruppel Like Factor 5, Intestinal (KLF5). 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 Kruppel Like Factor 5, Intestinal (KLF5), 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 Kruppel Like Factor 5, Intestinal (KLF5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KLF5 elisa kit	Signal transduction; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	14251215
NCBI GeneID	688
NCBI Accession #	NP_001721.2
NCBI GenBank Nucleotide #	NM_001730.4
UniProt Accession #	Q13887; Q9UHP8; A2TJX0; L0R3U5; L0R4T9
Molecular Weight	41,180 Da
NCBI Official Full Name	Krueppel-like factor 5 isoform 1
NCBI Official Synonym Full Names	Kruppel-like factor 5 (intestinal)
NCBI Official Symbol	KLF5
NCBI Official Synonym Symbols	CKLF; IKLF; BTEB2
NCBI Protein Information	Krueppel-like factor 5
UniProt Protein Name	Krueppel-like factor 5
UniProt Gene Name	KLF5
UniProt Synonym Gene Names	BTEB2; CKLF; IKLF; BTE-binding protein 2
UniProt Entry Name	KLF5_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/kruppel-like-factor-5-intestinal-klf5/138341>