

Human Krueppel-like factor 4 ELISA Kit | KLF4 elisa kit

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CATALOG #
AAA247186

REACTIVITY
Human

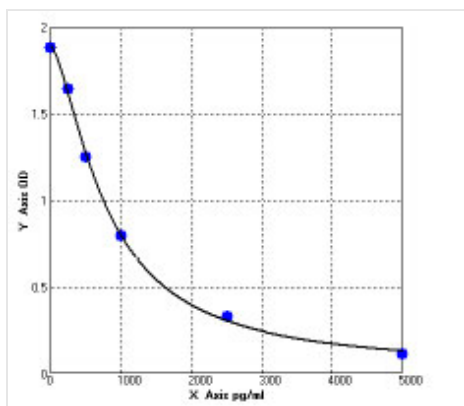
PRODUCT SYNONYMS

Krueppel-like factor 4; Human Krueppel-like factor 4 ELISA Kit; KLF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KLF4. No significant cross-reactivity or interference between KLF4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between KLF4 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	513
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLF4 elisa kit	Intended Uses: This KLF4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human KLF4. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: KLF4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-KLF4 antibody and an KLF4-HRP conjugate. The assay sample and buffer are incubated together with KLF4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the KLF4 concentration since KLF4 from samples and KLF4-HRP conjugate compete for the anti-KLF4 antibody binding site. Since the number of sites is limited, as more sites are occupied by KLF4 from the sample, fewer sites are left to bind KLF4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLF4 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	930697457
NCBI GeneID	9314
NCBI Accession #	NP_001300981.1
NCBI GenBank Nucleotide #	NM_001314052.1
UniProt Accession #	O43474; P78338; Q5T3J8; Q5T3J9; Q8N717; Q9UNP3; B2R8S4; B3KT79; L0R3I6; L0R4N5
Molecular Weight	6,489 Da
NCBI Official Full Name	Krueppel-like factor 4 isoform 1
NCBI Official Synonym Full Names	Kruppel like factor 4
NCBI Official Symbol	KLF4
NCBI Official Synonym Symbols	EZF; GKLF
NCBI Protein Information	Krueppel-like factor 4
UniProt Protein Name	Krueppel-like factor 4
UniProt Gene Name	KLF4
UniProt Synonym Gene Names	EZF; GKLF

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.