

Goat Kruppel Like Factor 14 ELISA Kit | KLF14 elisa kit

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CATALOG #
AAA94886

REACTIVITY
Goat

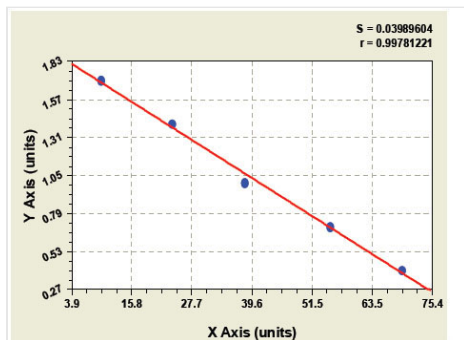
PRODUCT SYNONYMS

Kruppel Like Factor 14; Goat Kruppel Like Factor 14 ELISA Kit; KLF14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This KLF14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat KLF14. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLF14 elisa kit

Principle of the Assay: KLF14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-KLF14 antibody and an KLF14-HRP conjugate. The assay sample and buffer are incubated together with KLF14-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 KLF14 concentration since KLF14 from samples and KLF14-HRP conjugate compete for the anti-KLF14 antibody binding site. Since the number of sites is limited, as more sites are occupied by KLF14 from the sample, fewer sites are left to bind KLF14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLF14 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for KLF14 elisa kit

Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	20162554
NCBI GeneID	136259
NCBI Accession #	NP_619638.1
NCBI GenBank Nucleotide #	NM_138693.2
Molecular Weight	33,124 Da
NCBI Official Full Name	Krueppel-like factor 14
NCBI Official Synonym Full Names	Kruppel-like factor 14
NCBI Official Symbol	KLF14
NCBI Official Synonym Symbols	BTEB5
NCBI Protein Information	Krueppel-like factor 14; BTE-binding protein 5; transcription factor BTEB5; basic transcription element-binding protein 5
UniProt Protein Name	Krueppel-like factor 14
UniProt Gene Name	KLF14
UniProt Synonym Gene Names	BTEB5; BTE-binding protein 5
UniProt Entry Name	KLF14_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/klf14-goat-elisa-kits/kruppel-like-factor-14/94886>