

Human Kruppel-like factor 10 ELISA Kit | KLF10 elisa kit

Human TGF-beta-inducible early response gene-1, TIEG1 ELISA Kit

CATALOG #
AAA80423

REACTIVITY
Human

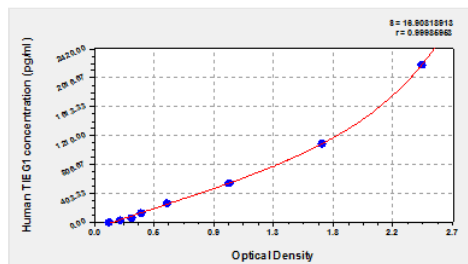
PRODUCT SYNONYMS

Kruppel-like factor 10; Human TGF-beta-inducible early response gene-1; TIEG1 ELISA Kit; EGRA; TIEG; TIEG1; TGFB inducible early growth response; KLF10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TIEG1. No significant cross-reactivity or interference between human TIEG1 and analogues was observed.
Sequence Length	469
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	34.38 pg/ml -2200 pg/ml.
Sensitivity	The minimum detectable dose of human TIEG1 is typically less than 8.6 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLF10 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TIEG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TIEG1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TIEG1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TIEG1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73760403
NCBI GeneID	7071
NCBI Accession #	NP_001027453.1
NCBI GenBank Nucleotide #	NM_001032282.3
UniProt Accession #	Q13118; O75411; Q503B2; A8MVH0; B2R794; L0R4P6; L0R679
Molecular Weight	52,555 Da
NCBI Official Full Name	Krueppel-like factor 10 isoform b
NCBI Official Synonym Full Names	Kruppel-like factor 10
NCBI Official Symbol	KLF10
NCBI Official Synonym Symbols	EGRA; TIEG; TIEG1; EGR-alpha
NCBI Protein Information	Krueppel-like factor 10; early growth response-alpha; zinc finger transcription factor TIEG; TGFB-inducible early growth response protein 1; transforming growth factor-beta-inducible early growth response protein 1
UniProt Protein Name	Krueppel-like factor 10
UniProt Gene Name	KLF10
UniProt Synonym Gene Names	TIEG; TIEG1; TGFB-inducible early growth response protein 1; TIEG-1
UniProt Entry Name	KLF10_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/klf10-human-elisa-kits/kruppel-like-factor-10/80423>