

Human maternal embryonic leucine zipper kinase ELISA Kit | MELK elisa kit

Human Maternal embryonic leucine zipper kinase, MELK ELISA Kit

CATALOG #
AAA113046

REACTIVITY
Human

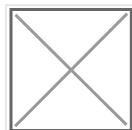
PRODUCT SYNONYMS

maternal embryonic leucine zipper kinase; Human Maternal embryonic leucine zipper kinase; MELK ELISA Kit; Human Maternal embryonic leucine zipper kinase (MELK) ELISA kit; RP11-8N6.1; HPK38; KIAA0175; pEg3 kinase; MELK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MELK. No significant cross-reactivity or interference between human MELK and analogues was observed.
Sequence Length	651
Samples	Serum, plasma, tissue homogenates.
Assay Type	Sandwich
Detection Range	0.156 ng/ml -10 ng/ml.
Sensitivity	0.039 ng/ml.
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 MELK elisa kit

Principle of the Assay||This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MELK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MELK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MELK 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 MELK bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	375493532
NCBI GeneID	9833
NCBI Accession #	NP_001243614.1
NCBI GenBank Nucleotide #	NM_001256685.1
UniProt Accession #	Q14680; A6P3A7; A6P3A8; B1AMQ6; B7Z1E6; B7Z5M5; B7Z6Q7; B7Z6R8; B7Z6Y0; B7Z7Q1; D3DRP8; F5H0Y0
Molecular Weight	74,642 Da
NCBI Official Full Name	maternal embryonic leucine zipper kinase isoform 2
NCBI Official Synonym Full Names	maternal embryonic leucine zipper kinase
NCBI Official Symbol	MELK
NCBI Official Synonym Symbols	HPK38
NCBI Protein Information	maternal embryonic leucine zipper kinase; pEg3 kinase; protein kinase Eg3; protein kinase PK38; tyrosine-protein kinase MELK
UniProt Protein Name	Maternal embryonic leucine zipper kinase
UniProt Gene Name	MELK
UniProt Synonym Gene Names	KIAA0175; hMELK; pEg3 kinase; hPK38
UniProt Entry Name	MELK_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/melk-human-elisa-kits/maternal-embryonic-leucine-zipper-kinase/113046>