

Human extracellular signal-regulated kinase, ERK ELISA Kit | ERK elisa kit

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CATALOG #
AAA42858

REACTIVITY
Human

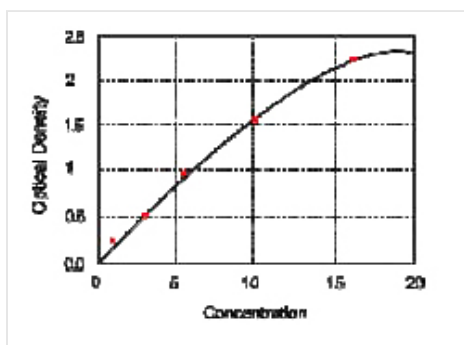
PRODUCT SYNONYMS

extracellular signal-regulated kinase; ERK; Human extracellular signal-regulated kinase; ERK ELISA Kit; ERK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	367
Samples	Serum, Plasma, Cell Culture Supernates, Cell Lysates, Tissue Homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.05ng/ml-30ng/ml
Sensitivity	0.026ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERK elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of human Excision Repair Cross-complementation Group 1 (also known as ERCC1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human ERCC1 antibody. ERCC1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human ERCC1 Antibody is added and binds to ERCC1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ERCC1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human ERCC1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1486363
NCBI GeneID	6300
UniProt Accession #	P53778; Q14260; Q6IC53; Q99588; Q99672
Molecular Weight	40,808 Da
NCBI Official Full Name	extracellular signal regulated kinase
NCBI Official Synonym Full Names	mitogen-activated protein kinase 12
NCBI Official Symbol	MAPK12
NCBI Official Synonym Symbols	ERK3; ERK6; ERK-6; SAPK3; PRKM12; SAPK-3; MAPK 12; P38GAMMA
NCBI Protein Information	mitogen-activated protein kinase 12
UniProt Protein Name	Mitogen-activated protein kinase 12
UniProt Gene Name	MAPK12
UniProt Synonym Gene Names	ERK6; SAPK3; MAP kinase 12; MAPK 12; ERK-6; MAP kinase p38 gamma

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/extracellular-signal-regulated-kinase-erk/42858>