

Rat ERK1 ELISA Kit | ERK1 elisa kit

Rat ERK1(Extracellular Signal Regulated Kinase 1) ELISA Kit

CATALOG #
AAA163903

REACTIVITY
Rat

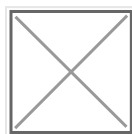
PRODUCT SYNONYMS

ERK1; Rat ERK1(Extracellular Signal Regulated Kinase 1) ELISA Kit; ERK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat EGF in samples. No significant cross-reactivity or interference between Rat EGF and analogues was observed.
Sequence Length	422
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	15.63-1000pg/mL
Sensitivity	9.38pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat EGF were tested 20 times on one plate, respectively
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat EGF were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERK1 elisa kit

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat EGF concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat EGF. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat EGF and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat EGF, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat EGF. You can calculate the concentration of Rat EGF in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	353558908
NCBI GeneID	3642789
Molecular Weight	48,623 Da
NCBI Official Full Name	Extracellular signal-regulated kinase 1
NCBI Official Symbol	ERK1
NCBI Protein Information	MAP kinase-like orf; aka CEK1; one of two protein kinase genes similar to S. cerevisiae MAP kinases FUS3 (YBL016W) and KSS1 (YGR040W) involved in pheromone signal transduction; likely protein kinase
UniProt Protein Name	Extracellular signal-regulated kinase 1
UniProt Gene Name	CEK1
UniProt Synonym Gene Names	ERK1; ERK1; MAPK 1
UniProt Entry Name	ERK1_CANAL

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/rat-elisa-kits/erk1/163903>