

Rat Extracellular Signal Regulated Kinase 1 ELISA Kit | ERK1 elisa kit

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CATALOG #
AAA100654

REACTIVITY
Rat

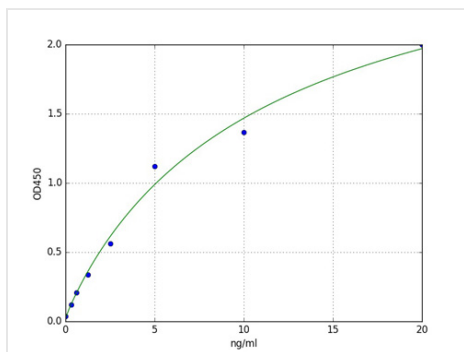
PRODUCT SYNONYMS

Extracellular Signal Regulated Kinase 1; Rat Extracellular Signal Regulated Kinase 1 ELISA Kit; ERK1/MAPK3/P44ERK1/p44mapk/PRKM3/EC 2.7.11/ERK-1/ERK1p44-MAPK/ERT2/Extracellular signal-regulated kinase 1/extracellular signal-related kinase 1/HS44KDAP/HUMKER1A/Insulin-stimulated MAP2 kinase/MAP kinase 1/MAP kinase 3/MAP kinase isoform p44/MAPK 1/MAPK 3/MGC20180/Microtubule-associated protein 2 kinase/Mitogen-activated protein kinase 1/mitogen-activated protein kinase 3/p44erk1/P44ERK1/p44-ERK1/P44MAPK/p44mapk/PRKM3EC 2.7.11.24; ERK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	352
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat ERK1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.009	0.121	0.218	0.379	0.729	1.024	1.595	2.358

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERK1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat ERK1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat ERK1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat ERK1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat ERK1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	754411133
NCBI GeneID	23465720
NCBI Accession #	XP_011274645.1
NCBI GenBank Nucleotide #	XM_011276343.1
NCBI Official Full Name	Extracellular signal-regulated kinase 1
NCBI Official Symbol	BN7_3010
NCBI Protein Information	Extracellular signal-regulated kinase 1

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/erk1-rat-elisa-kits/extracellular-signal-regulated-kinase-1/100654>