

Human Extracellular Signal Regulated Kinase ELISA Kit | ERK elisa kit

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CATALOG #
AAA98562

REACTIVITY
Human

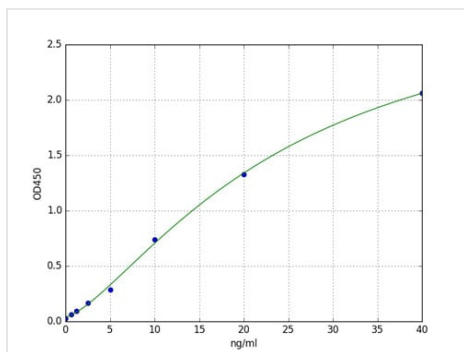
PRODUCT SYNONYMS

Extracellular Signal Regulated Kinase; Human Extracellular Signal Regulated Kinase ELISA Kit; ERK/Cek5/Drt/Hek5/Nuk/Qek2/Sek3/Tyro5/CAPB/DRTEphB2/EC 2.7.10/EC 2.7.10.1/EK5/elk-related tyrosine kinase/EPH receptor B2/eph tyrosine kinase 3/EPH-like kinase 5/ephrin type-B receptor 2/EPHT3MGC87492/EPH3/ERKHEK5/HEK5/hEK5/PCBC/protein-tyrosine kinase HEK5/Renal carcinoma antigen NY-REN-47/Tyro5/TYRO5/Tyrosine-protein kinase receptor EPH-3/Tyrosine-protein kinase TYRO5; ERK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	367
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/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 Human ERK 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	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.016	0.154	0.293	0.508	0.960	1.566	1.709	1.917

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERK elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human ERK antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human ERK 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 Human ERK amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human ERK can be calculated.

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
UniProt Entry Name	MK12_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/erk-human-elisa-kits/extracellular-signal-regulated-kinase/98562>