

Monkey Extracellular Signal Regulated Kinase 2 ELISA Kit | ERK2 elisa kit

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CATALOG #
AAA96068

REACTIVITY
Monkey

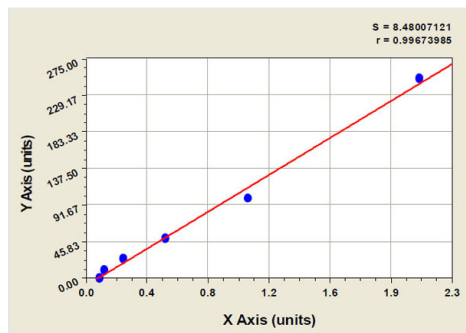
PRODUCT SYNONYMS

Extracellular Signal Regulated Kinase 2; Monkey Extracellular Signal Regulated Kinase 2 ELISA Kit; ERK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERK2 elisa kit

Principle of the assay: ERK2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ERK2. Standards or samples are then added to the microtiter plate wells and ERK2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ERK2 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ERK2 are added to each well to "sandwich" the ERK2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ERK2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ERK2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ERK2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	74996912
NCBI GeneID	8624357
Molecular Weight	41,978 Da
NCBI Official Full Name	Extracellular signal-regulated kinase 2
NCBI Official Symbol	erkB
NCBI Protein Information	ERK subfamily protein kinase; MAP kinase; MAPK family protein kinase; extracellular response kinase; mitogen-activated protein kinase; protein serine/threonine kinase
UniProt Protein Name	Extracellular signal-regulated kinase 2
UniProt Gene Name	erkB
UniProt Synonym Gene Names	dagC; erk2; DDB_G0283903; ERK2
UniProt Entry Name	ERK2_DICDI

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/erk2-monkey-elisa-kits/extracellular-signal-regulated-kinase-2/96068>