

Mouse Endoplasmic Reticulum To Nucleus Signalling 1 ELISA Kit | ERN1 elisa kit

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CATALOG #
AAA85723

REACTIVITY
Mouse

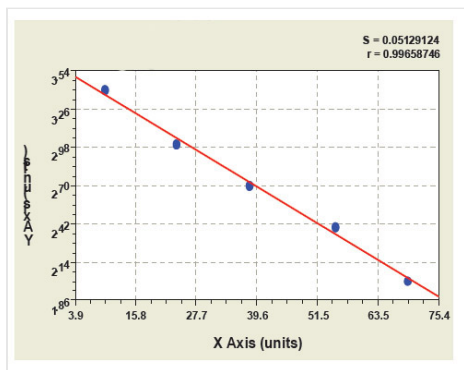
PRODUCT SYNONYMS

Endoplasmic Reticulum To Nucleus Signalling 1; Mouse Endoplasmic Reticulum To Nucleus Signalling 1 ELISA Kit; ERN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This ERN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ERN1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERN1 elisa kit

Principle of the Assay: ERN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ERN1 antibody and an ERN1-HRP conjugate. The assay sample and buffer are incubated together with ERN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ERN1 concentration since ERN1 from samples and ERN1-HRP conjugate compete for the anti-ERN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ERN1 from the sample, fewer sites are left to bind ERN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ERN1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119614620
NCBI GeneID	2081
Molecular Weight	6,649 Da
NCBI Official Full Name	endoplasmic reticulum to nucleus signalling 1, isoform CRA_b
NCBI Official Synonym Full Names	endoplasmic reticulum to nucleus signaling 1
NCBI Official Symbol	ERN1
NCBI Official Synonym Symbols	IRE1; IRE1P; IRE1a; hIRE1p
NCBI Protein Information	serine/threonine-protein kinase/endoribonuclease IRE1; ire1-alpha; inositol-requiring 1; ER to nucleus signalling 1; inositol-requiring enzyme 1; inositol-requiring protein 1; endoplasmic reticulum-to-nucleus signaling 1
UniProt Protein Name	Serine/threonine-protein kinase/endoribonuclease IRE1
UniProt Gene Name	ERN1
UniProt Synonym Gene Names	IRE1; hIRE1p; IRE1a
UniProt Entry Name	ERN1_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/ern1-mouse-elisa-kits/endoplasmic-reticulum-to-nucleus-signalling-1/85723>