

Human Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1) ELISA Kit | ERN1 elisa kit

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CATALOG #
AAA137535

REACTIVITY
Human

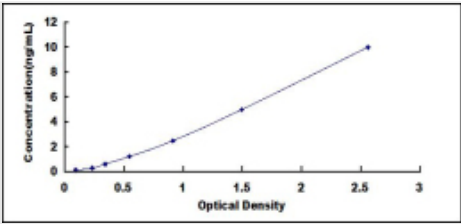
PRODUCT SYNONYMS

Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1); Human Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1) ELISA Kit; IRE1; IRE1P; Serine/Threonine-Protein Kinase/Endoribonuclease IRE1; Inositol-requiring protein 1; Ire1-alpha; Serine/threonine-protein kinase; Endoribonuclease; ERN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1). No significant cross-reactivity or interference between Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1) and analogues was observed.
Sequence Length	1006
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERN1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Endoplasmic Reticulum To Nucleus Signalling 1 (ERN1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ERN1 elisa kit	Signal transduction; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	62089324
NCBI GeneID	2081
UniProt Accession #	O75460; Q59EE2; A1L457; A8K8N8; A8MXS7
Molecular Weight	6,649 Da
NCBI Official Full Name	endoplasmic reticulum to nucleus signalling 1 isoform 1 variant, partial
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
UniProt Protein Name	Serine/threonine-protein kinase/endoribonuclease IRE1
UniProt Gene Name	ERN1
UniProt Synonym Gene Names	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.