

Human Iron-responsive element-binding protein 2 ELISA Kit | IREB2 elisa kit

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CATALOG #
AAA101981

REACTIVITY
Human

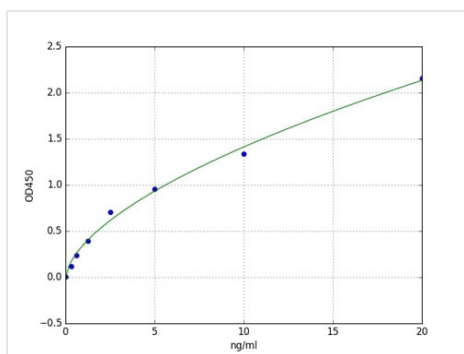
PRODUCT SYNONYMS

Iron-responsive element-binding protein 2; Human Iron-responsive element-binding protein 2 ELISA Kit; IREB2/IRE-BP 2/IRP2/Iron regulatory protein 2; IREB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	963
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 Human IREB2 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	0.014	0.222	0.384	0.669	1.059	1.424	1.697	1.971

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IREB2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human IREB2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human IREB2 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 IREB2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human IREB2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41352693
NCBI GeneID	3658
NCBI Accession #	NP_004127.1
NCBI GenBank Nucleotide #	NM_004136.2
Molecular Weight	37,487 Da
NCBI Official Full Name	iron-responsive element-binding protein 2
NCBI Official Synonym Full Names	iron responsive element binding protein 2
NCBI Official Symbol	IREB2
NCBI Official Synonym Symbols	ACO3; IRP2; IRP2AD
NCBI Protein Information	iron-responsive element-binding protein 2
UniProt Protein Name	Iron-responsive element-binding protein 2
UniProt Gene Name	IREB2
UniProt Synonym Gene Names	IRE-BP 2; IRP2
UniProt Entry Name	IREB2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ireb2-human-elisa-kits/iron-responsive-element-binding-protein-2/101981>