

Human Corticotropin Releasing Factor ELISA Kit | CRF elisa kit

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CATALOG #
AAA83066

REACTIVITY
Human

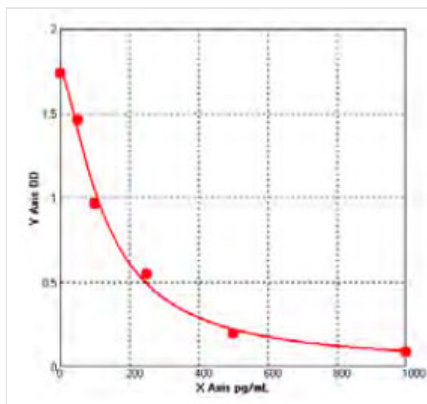
PRODUCT SYNONYMS

Corticotropin Releasing Factor; Human Corticotropin Releasing Factor ELISA Kit; CRF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CRF. No significant cross-reactivity or interference between CRF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CRF and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRF elisa kit	Principle of the Assay: CRF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CRF antibody and an CRF-HRP conjugate. The assay sample and buffer are incubated together with CRF-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 CRF concentration since CRF from samples and CRF-HRP conjugate compete for the anti-CRF antibody binding site. Since the number of sites is limited, as more sites are occupied by CRF from the sample, fewer sites are left to bind CRF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CRF concentration in each sample is interpolated from this standard curve. Intended Uses: This CRF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CRF. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CRF elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503041
NCBI GeneID	1392
NCBI Accession #	NP_000747.1
NCBI GenBank Nucleotide #	NM_000756.2
Molecular Weight	21,422 Da
NCBI Official Full Name	corticoliberin preproprotein
NCBI Official Synonym Full Names	corticotropin releasing hormone
NCBI Official Symbol	CRH
NCBI Official Synonym Symbols	CRF
NCBI Protein Information	corticoliberin; corticotropin-releasing factor
UniProt Protein Name	Corticoliberin
UniProt Gene Name	CRH
UniProt Synonym Gene Names	CRF
UniProt Entry Name	CRF_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/crf-human-elisa-kits/corticotropin-releasing-factor/83066>