Corticotropin Releasing Hormone (CRH) ELISA Kit for Human

PRODUCT OVERVIEW

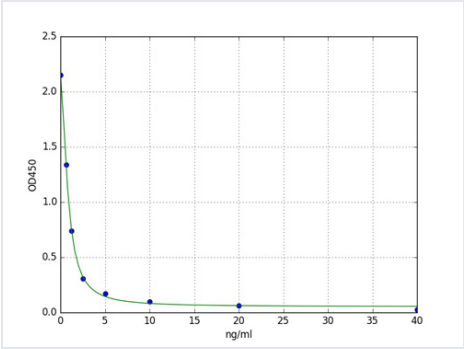
Product Name	Corticotropin Releasing Hormone (CRH), ELISA Kit
Full Product Name	Human Corticotropin Releasing Hormone ELISA Kit
Product Gene Name	CRH elisa kit
Product Synonym Names	CRH (Corticotropin Releasing Hormone)/Corticoliberin/Corticotropin-releasing factor/CRF/Corticotropin-releasing hormone
Species Reactivity	Human
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	2.188-140pg/ml
Sensitivity	1.4pg/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
Molecular Weight	21,547 Da
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CRH elisa kit	Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Human CRH. During the reaction,Human CRH in the sample or standard competes with a fixed amount of Human CRH on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to Human CRH. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of Human CRH in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CRH elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CRH purchase	MBS760217 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Corticotropin Releasing Hormone (CRH) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CRH. The ELISA analytical biochemical technique of the MBS760217 kit is based on CRH antibody-CRH antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CRH antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CRH. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

Typical Data & Standard Curve

Results of a typical standard run of a Human CRH 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	0.625	1.25	2.5	5	10	20	40
Y	OD450	2.201	1.837	1.566	1.230	0.905	0.617	0.467	0.363

Typical Testing Data of CRH elisa kit



Typical Standard Curve of CRH elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRH. It may not necessarily be applicable to this product.

NCBI GI #	704375
NCBI GeneID	486977
NCBI Accession #	AAB32322.1
UniProt Secondary Accession #	Q75QJ9
UniProt Related Accession #	P49926
NCBI Official Full Name	corticotropin releasing hormone, partial
NCBI Official Symbol	CRH
UniProt Protein Name	Corticoliberin
UniProt Synonym Protein Names	Corticotropin-releasing factor; CRF; Corticotropin-releasing hormone
Protein Family	Corticoliberin
UniProt Gene Name	CRH
UniProt Synonym Gene Names	CRF
UniProt Entry Name	CRF_CANLF
NCBI Protein Information	corticoliberin
UniProt Comments for CRH	Hormone regulating the release of corticotropin from pituitary gland (). Induces NLRP6 in intestinal epithelial cells, hence may influence gut microbiota profile ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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