Corticotropin (ACTH) ELISA Kit for Human

PRODUCT OVERVIEW

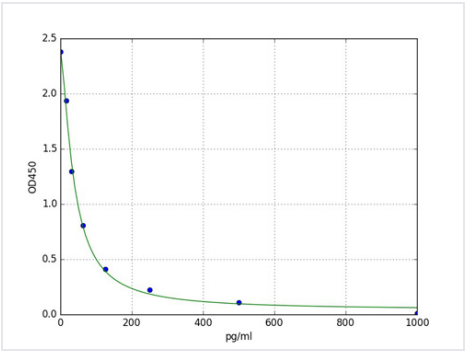
Product Name	Corticotropin (ACTH), ELISA Kit
Full Product Name	Human Corticotropin ELISA Kit
Product Gene Name	ACTH elisa kit
Product Synonym Names	ACTH (Adrenocorticotropic Hormone)/Corticotropin/Adrenocorticotropin
Species Reactivity	Human
Assay Type	Competitive ELISA, Coated with Antigen
Samples	EDTAPlasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	12.5-800pg/ml
Sensitivity	7.5pg/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
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for ACTH 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 ACTH. During the reaction,Human ACTH in the sample or standard competes with a fixed amount of Human ACTH on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to Human ACTH. 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 ACTH in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of ACTH 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 ACTH purchase	MBS762754 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Corticotropin (ACTH) 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 ACTH. The ELISA analytical biochemical technique of the MBS762754 kit is based on ACTH antibody-ACTH antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ACTH antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ACTH. 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 ACTH 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	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	2.188	1.85	1.574	1.235	0.883	0.64	0.442	0.351

Typical Testing Data of ACTH elisa kit



Typical Standard Curve of ACTH elisa kit

ADDITIONAL DETAILS

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

Protein Family	Corticotropin
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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Online datasheet: https://www.mybiosource.com/acth-human-elisa-kits/corticotropin/762754