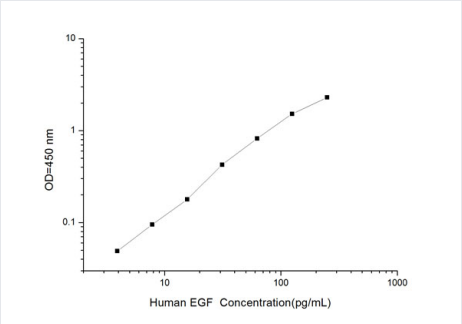
EGF ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	EGF, ELISA Kit
Full Product Name	Human EGF (Epidermal Growth Factor) ELISA Kit
Product Gene Name	EGF elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Biological Fluids
Detection Range	3.906-250pg/mL
Sensitivity	Min: 2.344pg/mL; Max: 250pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Human EGF. No significant cross-reactivity or interference between Human EGF and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human EGF and all the analogues, therefore, cross reaction may still exist.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	9,879 Da
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EGF elisa kit	**Description:** The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EGF in human serum, plasma and other biological fluids **Principle of the Assay:** This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human EGF. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human EGF and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human EGF, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human EGF. You can calculate the concentration of Human EGF in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of EGF 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 EGF purchase	MBS2507620 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the EGF, 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 EGF. The ELISA analytical biochemical technique of the MBS2507620 kit is based on EGF antibody-EGF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect EGF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, EGF. 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 Testing Data/Standard Curve (for reference only) of EGF elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	688072
NCBI Accession #	AAB32226.1
NCBI Official Full Name	epidermal growth factor, partial
UniProt Protein Name	Epidermal growth factor
UniProt Synonym Protein Names	Epidermal growth factor
Protein Family	Pro-epidermal growth factor
UniProt Gene Name	epidermal growth factor/ EGF
UniProt Entry Name	Q28867_HORSE
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/human-elisa-kits/egf/2507620