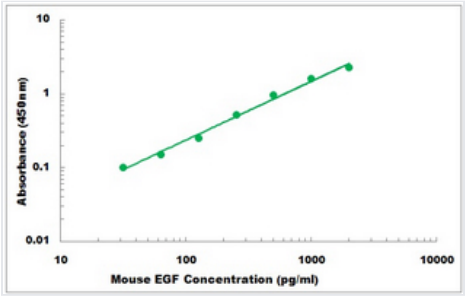
EGF ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	EGF, ELISA Kit
Full Product Name	Mouse EGF ELISA Kit
Product Gene Name	EGF elisa kit
Product Synonym Names	Pro-epidermal growth factor; EGF
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates
Detection Range	31.25 pg/ml - 2000 pg/ml
Sensitivity	15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	133,072 Da
3D Structure	ModBase 3D Structure for P01132
Detection Method	Colorimetric
Applications Tested/Suitable for EGF elisa kit	Sandwich ELISA (SE)
Related Product Information for EGF elisa kit	Sandwich ELISA for quantitative detection of Mouse EGF concentrations.
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	MBS824805 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 MBS824805 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 #	170172524
NCBI GeneID	13645
NCBI Accession #	NP_034243.2
UniProt Primary Accession #	P01132
UniProt Secondary Accession #	Q569W5; Q6P9J2; E9QNX6
UniProt Related Accession #	P01132
GenBank Nucleotide #	NM_010113.3
NCBI Official Full Name	pro-epidermal growth factor
NCBI Official Synonym Full Names	epidermal growth factor
NCBI Official Symbol	Egf
NCBI Official Synonym Symbols	AI790464
UniProt Protein Name	Pro-epidermal growth factor
Protein Family	Pro-epidermal growth factor
UniProt Gene Name	Egf
UniProt Synonym Gene Names	EGF
UniProt Entry Name	EGF_MOUSE
NCBI Protein Information	pro-epidermal growth factor; Pro-epidermal growth factor precursor (EGF)
UniProt Comments for EGF	EGF: EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6. Defects in EGF are the cause of hypomagnesemia type 4 (HOMG4); also known as renal hypomagnesemia normocalciuric. HOMG4 is a disorder characterized by massive renal hypomagnesemia and normal levels of serum calcium and calcium excretion. Clinical features include seizures, mild-to mederate psychomotor retardation, and brisk tendon reflexes. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ligand, receptor tyrosine kinase; Hormone; Membrane protein, integral Cellular Component: extracellular space; membrane; lysosomal membrane; plasma membrane; integral to membrane; intracellular Molecular Function: protein binding; growth factor activity; calcium ion binding; epidermal growth factor receptor binding Biological Process: epidermal growth factor receptor signaling pathway; peptidyl-tyrosine phosphorylation; positive regulation of mitosis; activation of MAPKK activity; positive regulation of transcription, DNA-dependent; regulation of protein transport; positive regulation of MAP kinase activity; regulation of protein secretion; branching morphogenesis of a tube; positive regulation of epidermal growth factor receptor activity; positive regulation of cell proliferation; negative regulation of secretion; angiogenesis; regulation of peptidyl-tyrosine phosphorylation; positive regulation of phosphorylation; positive regulation of granule cell precursor proliferation; STAT protein nuclear translocation; positive regulation of DNA binding
Research Articles on EGF	**1.** VEGFR1-mediated signaling plays a critical role in gastric ulcer healing and angiogenesis through enhanced EGF expression on VEGFR1+CXCR4+ cells

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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