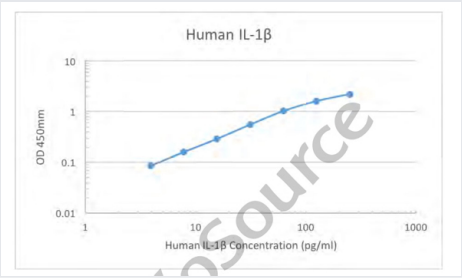
Il-1beta ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	IL-1beta, ELISA Kit
Full Product Name	Human IL-1beta Pre-Coated ELISA Kit
Product Gene Name	IL-1beta elisa kit
Species Reactivity	Human
Samples	Cell culture supernates, serum, plasma, and other biological fluids
Detection Range	3.9 pg/mL- 250 pg/mL
Specificity	Natural and recombinant Human IL-1beta
Preparation and Storage	Store the unopened product at 2-8 degree C.
Molecular Weight	Calculated: 30 kDa; Observed: 36 kDa
Chromosome Location	Chromosome: 2; NC_000002.11 (113587337..113594356, complement). Location: 2q14
OMIM	147720
3D Structure	ModBase 3D Structure for P01584
Related Product Information for IL-1beta elisa kit	Principle of the Assay: IL-1beta is a proinflammatory cytokine produced in a variety of cells, including monocytes, tissue macrophages, keratinocytes, and other epithelial cells. Both IL-1alpha and IL-1beta bind to the same receptor and have similar, if not identical, biological properties. These cytokines have a broad range of activities including the stimulation of thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity, and the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1beta is a secreted cytokine, IL-1alpha is predominantly a cell-associated cytokine. The Human IL-1beta Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human IL-1beta with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for IL-1beta. It contains E. coli-expressed recombinant Human IL-1beta. The detection antibody is a biotinylated goat polyclonal antibody specific for IL-1beta. The kit is analytically validated with ready to use reagents.
Other Notes	Small volumes of IL-1beta 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 IL-1beta purchase	MBS697346 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the IL-1beta, 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 IL-1beta. The ELISA analytical biochemical technique of the MBS697346 kit is based on IL-1beta antibody-IL-1beta antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IL-1beta antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IL-1beta. 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 IL-1beta elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-1beta. It may not necessarily be applicable to this product.

NCBI GI #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
UniProt Primary Accession #	P01584
UniProt Secondary Accession #	Q53X59; Q53XX2; Q7M4S7; Q7RU01; Q96HE5; Q9UCT6
UniProt Related Accession #	P01584
GenBank Nucleotide #	NM_000576.2
NCBI Official Full Name	interleukin-1 beta proprotein
NCBI Official Synonym Full Names	interleukin 1, beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1; IL1F2; IL1-BETA
UniProt Protein Name	Interleukin-1 beta
UniProt Synonym Protein Names	Catabolin
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta
UniProt Entry Name	IL1B_HUMAN
NCBI Protein Information	interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta
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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