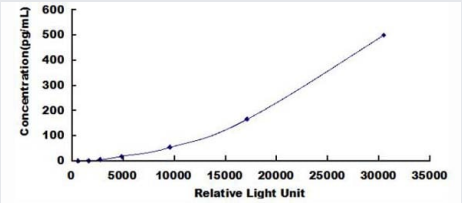
Interleukin 6 (IL6) CLIA Kit for Rabbit

PRODUCT OVERVIEW

Product Name	Interleukin 6 (IL6), CLIA Kit
Full Product Name	Rabbit Interleukin 6 (IL6) CLIA Kit
Product Gene Name	IL6 clia kit
Product Synonym Names	Interleukin 6; MGI2-A; MGI2A; HGF; BSF2; HSF; IFNB2; B-Cell Stimulatory Factor-2; Hybridoma/Plasmacytoma Growth Factor; Hepatocyte Stimulating Factor; Cytotoxic T-Cell Differentiation Factor
Species Reactivity	Rabbit
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.69-500pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.26pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Interleukin 6 (IL6). No significant cross-reactivity or interference between Interleukin 6 (IL6) and analogues was observed.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.
3D Structure	ModBase 3D Structure for Q9MZR1
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Interleukin 6 (IL6) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Interleukin 6 (IL6) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Interleukin 6 (IL6). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Interleukin 6 (IL6). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Interleukin 6 (IL6) level in the sample or standard.
ISO Certification	Manufactured in an ISO 9001:2008 and ISO 13485:2003 Certified Laboratory.
Applications Tested/Suitable for IL6 clia kit	Chemiluminescence Immunoassay (CLIA)
Related Product Information for IL6 clia kit	MBS2708600 is a CLIA kit targeting IL6. Also known as Rabbit Interleukin 6 (IL6) CLIA Kit. Reactive in Rabbit.
Other Notes	Small volumes of IL6 clia 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.



Typical Testing Data/Standard Curve (for reference only) of IL6 clia kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL6. It may not necessarily be applicable to this product.

NCBI GI #	126722667
NCBI GeneID	100008733
NCBI Accession #	NP_001075533.1
UniProt Primary Accession #	Q9MZR1
UniProt Related Accession #	Q9MZR1
GenBank Nucleotide #	NP_001075533.1
NCBI Official Full Name	interleukin-6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	IL-6
UniProt Protein Name	Interleukin-6
Protein Family	Interleukin
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IL-6
NCBI Protein Information	interleukin-6
UniProt Comments for IL6	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation ().
Research Articles on IL6	**1.** Mild heat shock increased the production of inflammatory cytokines, IL-1beta and IL-6 in rabbit cornea 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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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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