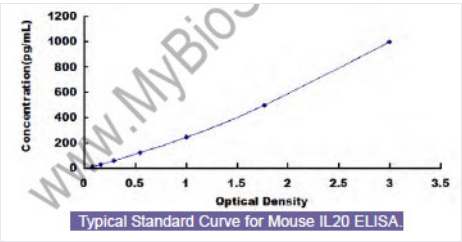
Interleukin 20 (IL20) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Interleukin 20 (IL20), ELISA Kit
Full Product Name	Mouse Interleukin 20 (IL20) ELISA Kit
Product Gene Name	IL20 elisa kit
Product Synonym Names	IL10D; IL10-D; ZCYTO10; Cytokine Zcyto10
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, plasma and other biological fluids.
Detection Range	15.625-1000pg/mL
Sensitivity	5.9pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of IL20. No significant cross-reactivity or interference between IL20 and analogues was observed.
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL20 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL20 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Molecular Weight	20,098 Da
3D Structure	ModBase 3D Structure for Q9JKV9
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for IL20 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL20 in Mouse serum, plasma, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL20. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IL20. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL20, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IL20 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of IL20 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 IL20 purchase	MBS452881 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Interleukin 20 (IL20) 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 IL20. The ELISA analytical biochemical technique of the MBS452881 kit is based on IL20 antibody-IL20 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IL20 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IL20. 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 Standard Curve/Testing Data of IL20 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL20. It may not necessarily be applicable to this product.

NCBI GI #	902763188
NCBI GeneID	58181
NCBI Accession #	NP_001298020.1
UniProt Primary Accession #	Q9JKV9
UniProt Related Accession #	Q9JKV9
GenBank Nucleotide #	NM_001311091.1
NCBI Official Full Name	interleukin-20 isoform 2
NCBI Official Synonym Full Names	interleukin 20
NCBI Official Symbol	Il20
NCBI Official Synonym Symbols	Zcyto10
UniProt Protein Name	Interleukin-20
UniProt Synonym Protein Names	Cytokine Zcyto10
Protein Family	Interleukin
UniProt Gene Name	Il20
UniProt Synonym Gene Names	Zcyto10; IL-20
NCBI Protein Information	interleukin-20
UniProt Comments for IL20	Cytokine that may be involved in epidermal function and psoriasis. Acts through STAT3.
Research Articles on IL20	**1.** Data show that interleukin 20 (IL-20) is expressed in type 2 diabetic db/db islets and contributes to inflammation.
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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