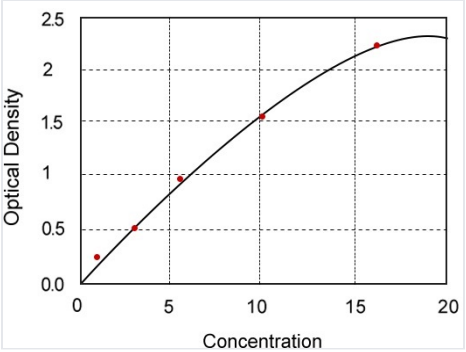
Collagen Type II, Col II (COL II) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Collagen Type II, Col II, ELISA Kit
Full Product Name	Human Collagen Type II, Col II ELISA Kit
Product Gene Name	Col II elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Detection Range	0.2ng/ml - 60ng/ml
Sensitivity	0.09ng/ml
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Molecular Weight	10,284 Da
Intra-Assay	CV<8%
Inter-Assay	CV<10%
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Col II elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of human Collagen Type II (also known as Col II) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human Col II antibody. Col II present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human Col II Antibody is added and binds to Col II in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated Col II antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human Col II. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
Other Notes	Small volumes of Col II 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 Col II purchase	MBS165039 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Collagen Type II, Col II, 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 Col II. The ELISA analytical biochemical technique of the MBS165039 kit is based on Col II antibody-Col II antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Col II antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Col II. 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 Col II elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	18026644
NCBI Accession #	AAL55558.1
NCBI Official Full Name	collagen type II, partial
UniProt Protein Name	Collagen type II
UniProt Synonym Protein Names	Collagen type II
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/collagen-type-ii-col-ii/165039