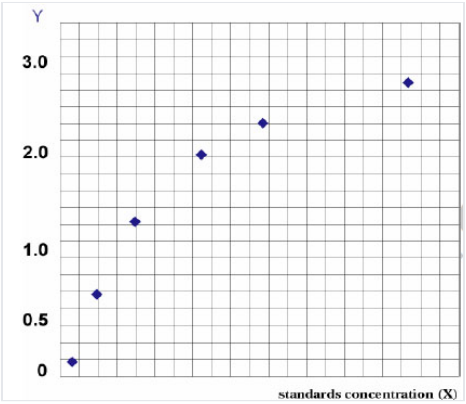
Cytokeratin 20 (CK 20) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	CytoKeratin 20 (CK 20), ELISA Kit
Full Product Name	Human CytoKeratin 20 ELISA Kit
Product Gene Name	CK 20 elisa kit
Species Reactivity	Human
Assay Type	Competitive or Sandwich
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	48,487 Da
OMIM	608218
3D Structure	ModBase 3D Structure for P35900
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Highest Standards	10ng/mL
Concentration of Standards	Concentration of Standards||0,0.5,1.0,2.5,5.0,10ng/mL
Product Categories/Family for CK 20 elisa kit	Cell Biology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CK 20 elisa kit	MBS727906 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CytoKeratin 20 (CK 20) 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 CK 20. The ELISA analytical biochemical technique of the MBS727906 kit is based on CK 20 antibody-CK 20 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CK 20 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CK 20. 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(%).
Other Notes	Small volumes of CK 20 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.



Typical Testing Data/Standard Curve (for reference only) of CK 20 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CK 20. It may not necessarily be applicable to this product.

NCBI GI #	402645
NCBI Accession #	CAA51913.1
UniProt Primary Accession #	P35900
UniProt Secondary Accession #	B2R6W7
NCBI Official Full Name	cytokeratin 20
UniProt Protein Name	Keratin, type I cytoskeletal 20
UniProt Synonym Protein Names	Cytokeratin-20; CK-20; Keratin-20; K20; Protein IT
Protein Family	Keratin
UniProt Gene Name	KRT20
UniProt Synonym Gene Names	CK-20; K20
UniProt Entry Name	K1C20_HUMAN
UniProt Comments for CK 20	K20: a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: cytoplasm; intermediate filament Molecular Function: protein binding; structural constituent of cytoskeleton Biological Process: regulation of protein secretion; apoptosis; cellular response to stress; intermediate filament organization
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/ck-20-human-elisa-kits/cytokeratin-20/727906