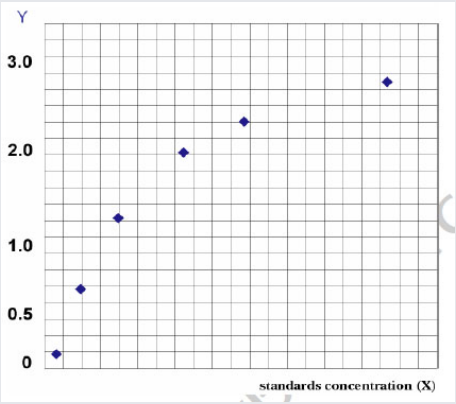
Cytokeratin 17 (CK 17) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	CytoKeratin 17 (CK 17), ELISA Kit
Full Product Name	Human CytoKeratin 17 ELISA Kit
Product Gene Name	CK 17 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	48,106 Da
OMIM	184500
3D Structure	ModBase 3D Structure for Q04695
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 17 elisa kit	Cell Biology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CK 17 elisa kit	MBS732119 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CytoKeratin 17 (CK 17) 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 17. The ELISA analytical biochemical technique of the MBS732119 kit is based on CK 17 antibody-CK 17 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CK 17 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CK 17. 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 17 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 17 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CK 17. It may not necessarily be applicable to this product.

NCBI GI #	30379
NCBI GeneID	3872
NCBI Accession #	CAA79626.1
UniProt Primary Accession #	Q04695
UniProt Secondary Accession #	Q6IP98; Q8N1P6; A5Z1M9; A5Z1N0; A5Z1N1; A5Z1N2; A6NDV6; A6NKQ2
UniProt Related Accession #	Q04695
NCBI Official Full Name	cytokeratin 17
NCBI Official Synonym Full Names	keratin 17
NCBI Official Symbol	KRT17
NCBI Official Synonym Symbols	PC; K17; PC2; PCHC1
UniProt Protein Name	Keratin, type I cytoskeletal 17
UniProt Synonym Protein Names	39.1; Cytokeratin-17; CK-17; Keratin-17; K17
Protein Family	Keratin
UniProt Gene Name	KRT17
UniProt Synonym Gene Names	CK-17; K17
UniProt Entry Name	K1C17_HUMAN
NCBI Protein Information	keratin, type I cytoskeletal 17; 39.1; CK-17; keratin-17; cytokeratin-17; keratin 17 epitope S1; keratin 17 epitope S2; keratin 17 epitope S4
NCBI Summary for CK 17	This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq, Aug 2008]

UniProt Comments for CK 17	K17: 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. Generally associates with K6. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: cytoplasm; intermediate filament Molecular Function: protein binding; MHC class II receptor activity; structural constituent of cytoskeleton; MHC class II protein binding Biological Process: positive regulation of hair follicle development; epidermis development; hair follicle morphogenesis; positive regulation of translation; keratinization; intermediate filament organization; signal transduction; positive regulation of cell growth Disease: Steatocystoma Multiplex; Pachyonychia Congenita 2
Research Articles on CK 17	**1.** novel heterozygous mutation, p.L91P (c.272T>C) in the helix initiation motif, associated with pachyonychia congenita type 2
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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