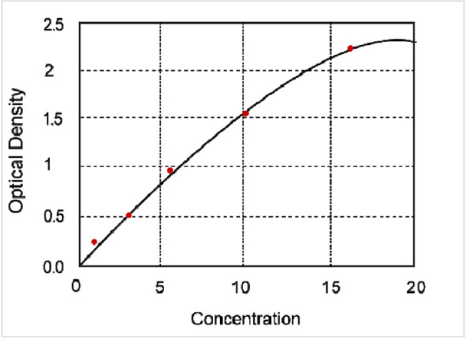
Cytokeratin 19, Ck-19 (CK-19) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	cytokeratin 19, CK-19, ELISA Kit
Full Product Name	Human cytokeratin 19, CK-19 ELISA Kit
Product Gene Name	CK-19 elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	0.05-15mU/ml
Sensitivity	0.026mU/ml
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Molecular Weight	44,106 Da
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CK-19 elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human CK-19 antibody. CK-19 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human CK-19 Antibody is added and binds to CK-19 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated CK-19 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 CK-19. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. Intended Uses: This sandwich kit is for the accurate quantitative detection of Human cytokeratin 19 (also known as CK-19) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.
Other Notes	Small volumes of CK-19 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 CK-19 purchase	MBS162166 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the cytokeratin 19, CK-19, 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-19. The ELISA analytical biochemical technique of the MBS162166 kit is based on CK-19 antibody-CK-19 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CK-19 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CK-19. 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 CK-19 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CK-19. It may not necessarily be applicable to this product.

NCBI GI #	13537138
NCBI GeneID	3880
NCBI Accession #	BAB40770.1
UniProt Secondary Accession #	Q5XG83; Q6NW33; Q7L5M9; Q96A53; Q96FV1; Q9BYF9; Q9P1Y4; B2R874
UniProt Related Accession #	P08727
NCBI Official Full Name	cytokeratin 19, partial
NCBI Official Synonym Full Names	keratin 19
NCBI Official Symbol	KRT19
NCBI Official Synonym Symbols	K19; CK19; K1CS
UniProt Protein Name	Keratin, type I cytoskeletal 19
UniProt Synonym Protein Names	Cytokeratin-19; CK-19; Keratin-19; K19
Protein Family	Keratin
UniProt Gene Name	KRT19
UniProt Synonym Gene Names	CK-19; K19
NCBI Protein Information	keratin, type I cytoskeletal 19
NCBI Summary for CK-19	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]
UniProt Comments for CK-19	Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Research Articles on CK-19	**1.** Data indicate that de novo expression of KRT7 and KRT19 resulting in altered plasticity and stem cell characteristics of epithelial cells might be a crucial factor in increasing the risk of tumor development in end-stage kidneys.
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