KRT19 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	KRT19, Blocking Peptide
Full Product Name	KRT19 Peptide - N-terminal region
Product Gene Name	KRT19 blocking peptide
Product Synonym Gene Name	CK19; K19; K1CS; MGC15366
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	KRT19 peptide (MBS3233547) is used for blocking the activity of KRT19 antibody (MBS3208585)
Molecular Weight	44kDa
OMIM	148020
Product Categories/Family for KRT19 blocking peptide	Peptide
Applications Tested/Suitable for KRT19 blocking peptide	Western Blot (WB)
Related Product Information for KRT19 blocking peptide	This is a synthetic peptide designed for use in combination with anti-KRT19 antibody made Target Description: KRT19 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 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Other Notes	Small volumes of KRT19 blocking peptide 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 KRT19 purchase	MBS3233547 is a blocking peptide targeting KRT19. Also known as KRT19 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT19. It may not necessarily be applicable to this product.

NCBI GI #	24234699
NCBI GeneID	3880
NCBI Accession #	NP_002267
UniProt Primary Accession #	P08727

UniProt Related Accession #	P08727
GenBank Nucleotide #	NM_002276
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
Protein Family	Keratin
UniProt Gene Name	KRT19
UniProt Synonym Gene Names	CK-19; K19
UniProt Entry Name	K1C19_HUMAN
NCBI Protein Information	keratin, type I cytoskeletal 19
NCBI Summary for KRT19	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 KRT19	K19: 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. Keratin 19 differs from all other IF proteins in lacking the C-terminal tail domain. 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. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: dystrophin-associated glycoprotein complex; costamere; intermediate filament; Z disc; sarcolemma Molecular Function: protein binding; structural constituent of cytoskeleton; structural constituent of muscle; protein complex binding Biological Process: viral reproduction; response to estrogen stimulus; sarcomere organization
Research Articles on KRT19	**1.** Cyfra 21.1 is a tool available to independently predict survival of DTC patients not achieving excellent response after primary treatment.
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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