KRT83 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	KRT83, Blocking Peptide
Full Product Name	KRT83 Blocking Peptide
Product Gene Name	KRT83 blocking peptide
Product Synonym Names	Hair keratin K2.10; Hard keratin, type II, 3; HB 3; HB3; hHb3; K2.10; K83; Keratin 83; Keratin; Keratin, hair, basic, 3; Keratin-83; Krt83; KRT83_HUMAN; KRTHB3; type II cuticular Hb3; Type II hair keratin Hb3; Type-II keratin Kb23; 1; basic; ghHb 1; ghHb1; ghHkb 1; ghHKb1; hair; Hair keratin K2.9; Hard keratin type II 1; HB 1; HB1; hHAKB2 1; K2.9; K81; Keratin 81; Keratin; Keratin hair basic 1; Keratin type II cuticular Hb1; Keratin-81; Keratin81; KRT 81; KRT81; KRT81_HUMAN; KRTHB 1; KRTHB1; Metastatic lymph node 137 gene protein; MLN 137; MLN137; type II cuticular Hb1; Type II hair keratin Hb1; Type-II keratin Kb21; ECTD4; Hair keratin K2.12; Hard keratin type II 5; Hb 5; HB5; hHb5; K12.12; K85; Keratin 85; keratin hair basic 5; Keratin type II cuticular Hb5; keratin, hard, type II; KRTHB5; type II cuticular Hb5; Type II hair keratin Hb5; Type II keratin Kb25; Hair keratin K2.11; Hb6; K86; Keratin; Keratin-86; KRT86; KRT86_HUMAN; KRTHB6; MNX; type II cuticular Hb6; Type II hair keratin Hb6; Type-II keratin Kb26
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	KRT83 peptide (MBS9628034) is used for blocking the activity of KRT83 antibody (MBS9609330)
Molecular Weight	54,195 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (52708085..52715182, complement). Location: 12q13
OMIM	158000
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for KRT83 blocking peptide	Blocking/Control
Related Product Information for KRT83 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of KRT83 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 KRT83 purchase	MBS9628034 is a blocking peptide targeting KRT83.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT83. It may not necessarily be applicable to this product.

NCBI GI #	169790841
NCBI GeneID	3889
NCBI Accession #	NP_002273.3
UniProt Primary Accession #	P78385
UniProt Secondary Accession #	Q6NT21; Q9NSB3; A1A4S9; B2RC21
UniProt Related Accession #	P78385
GenBank Nucleotide #	NM_002282.3
NCBI Official Full Name	keratin, type II cuticular Hb3
NCBI Official Synonym Full Names	keratin 83
NCBI Official Symbol	KRT83
NCBI Official Synonym Symbols	HB3; Hb-3; KRTHB3
UniProt Protein Name	Keratin, type II cuticular Hb3
UniProt Synonym Protein Names	Hair keratin K2.10; Keratin-83; K83; Type II hair keratin Hb3; Type-II keratin Kb23
Protein Family	Keratin
UniProt Gene Name	KRT83
UniProt Synonym Gene Names	KRTHB3; K83
UniProt Entry Name	KRT83_HUMAN
NCBI Protein Information	keratin, type II cuticular Hb3; K83; hHb3; keratin-83; hair keratin K2.10; type-II keratin Kb23; keratin, hair, basic, 3; hard keratin, type II, 3; type II hair keratin Hb3
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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