MYB Blocking Peptide

PRODUCT OVERVIEW

Product Name	MYB, Blocking Peptide
Full Product Name	MYB Peptide
Product Gene Name	MYB blocking peptide
Product Synonym Gene Name	Cmyb; c-myb; c-myb_CDS; efg
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	MYB peptide (MBS3229149) is used for blocking the activity of MYB antibody (MBS3204183)
Molecular Weight	36kDa
OMIM	189990
Product Categories/Family for MYB blocking peptide	Peptide
Applications Tested/Suitable for MYB blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for MYB blocking peptide	This is a synthetic peptide designed for use in combination with anti-MYB antibody made Target Description: MYB may be a transcriptional activator; DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3'. It plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells.
Other Notes	Small volumes of MYB 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 MYB purchase	MBS3229149 is a blocking peptide targeting MYB. Also known as MYB Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	194328727
NCBI GeneID	4602
NCBI Accession #	EAW47967
UniProt Primary Accession #	P10242
UniProt Related Accession #	P10242
GenBank Nucleotide #	NM_001130172
NCBI Official Full Name	transcriptional activator Myb isoform 3
NCBI Official Synonym Full Names	MYB proto-oncogene, transcription factor
NCBI Official Symbol	MYB
NCBI Official Synonym Symbols	efg; Cmyb; c-myb; c-myb_CDS

UniProt Protein Name	Transcriptional activator Myb
UniProt Synonym Protein Names	Proto-oncogene c-Myb
Protein Family	Myb protein
UniProt Gene Name	MYB
UniProt Entry Name	MYB_HUMAN
NCBI Protein Information	transcriptional activator Myb
NCBI Summary for MYB	This gene encodes a protein with three HTH DNA-binding domains that functions as a transcription regulator. This protein plays an essential role in the regulation of hematopoiesis. This gene may be aberrently expressed or rearranged or undergo translocation in leukemias and lymphomas, and is considered to be an oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
UniProt Comments for MYB	Myb: Transcriptional activator; DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3'. Plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; Oncoprotein; DNA-binding Chromosomal Location of Human Ortholog: 6q22-q23 Cellular Component: nuclear matrix; cytosol Molecular Function: protein binding; chromatin binding Biological Process: positive regulation of histone H3-K9 methylation; thymus development; transcription, DNA-dependent; in utero embryonic development; positive regulation of transcription, DNA-dependent; homeostasis of number of cells; positive regulation of histone H3-K4 methylation; negative regulation of transcription from RNA polymerase II promoter; chromatin remodeling; positive regulation of T-helper cell differentiation; regulation of transcription, DNA-dependent; calcium ion transport; B cell differentiation; positive regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; blood coagulation; embryonic gut development; G1/S transition of mitotic cell cycle
Research Articles on MYB	**1.** High c-myb expression is associated with In-Stent Restenosis in Peripheral Artery Disease.
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