BMP8 Antibody Antigenic Blocking Peptide

PRODUCT OVERVIEW

Product Name	BMP8, Blocking Peptide
Full Product Name	BMP8 Antibody Antigenic Blocking Peptide
Product Gene Name	BMP8 blocking peptide
Product Synonym Names	OP 2; Osteogenic protein 2 antibody BMP-8; dJ118J21.1 (bone morphogenetic protein 8 (osteogenic protein 2)); Osteogenic protein 2 antibody
Form/Format	Antigenic Blocking Peptide
Concentration	Quantity: 250 ug; Volume: 100 ul (lot specific)
Preparation and Storage	-20• degree C for long term storage
Antibody/Peptide Pairs	BMP8 peptide (MBS542473) is used for blocking the activity of BMP8 antibody (MBS541079)
Antibody/Peptide Pairs	BMP8 peptide (MBS542473) is used for blocking the activity of BMP8 antibody (MBS541080)
Molecular Weight	39,151 Da
OMIM	602284
Immunogen	Synthetic Peptide
Molecular Function	Chondrogenesis; Differentiation; Osteogenesis
Structure	Homodimer; Disfulfide-linked
Subcellular Location	Secreted
Applications Tested/Suitable for BMP8 blocking peptide	Immmunodepletion, Competition Assay
Application Notes for BMP8 blocking peptide	Western Blot: 1:500-1:1,000
Related Product Information for BMP8 blocking peptide	Antigenic Blocking Peptide Bone morphogenetic protein 8 Antibody Induces cartilage and bone formation.
Other Notes	Small volumes of BMP8 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 BMP8 purchase	MBS542473 is a blocking peptide targeting BMP8. Also known as BMP8 Antibody Antigenic Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BMP8. It may not necessarily be applicable to this product.

NCBI GI #	7018292
NCBI Accession #	CAB75681
UniProt Primary Accession #	P34820
UniProt Secondary Accession #	Q32NE5; Q53ZM7; Q9NUF0; E7EMY8
UniProt Protein Name	Bone morphogenetic protein 8B

UniProt Synonym Protein Names	Osteogenic protein 2; OP-2
UniProt Gene Name	BMP8B
UniProt Synonym Gene Names	BMP8; BMP-8; BMP-8B; OP-2
UniProt Entry Name	BMP8B_HUMAN
UniProt Comments for BMP8	BMP8B: Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis. Belongs to the TGF-beta family. Protein type: Secreted; Secreted, signal peptide; Cytokine Chromosomal Location of Human Ortholog: 1p35-p32 Cellular Component: extracellular space Molecular Function: cytokine activity; growth factor activity; transforming growth factor beta receptor binding Biological Process: BMP signaling pathway; cartilage development; cell development; growth; ossification; regulation of apoptosis; regulation of MAPKKK cascade; skeletal development
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