BMP9 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BMP9, Monoclonal Antibody
Full Product Name	BMP9 (Growth/Differentiation Factor 2, GDF-2, Bone Morphogenetic Protein 9, BMP-9, GDF2) (MaxLight 550)
Product Gene Name	anti-BMP9 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4D2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human BMP9.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	47,320 Da
OMIM	605120
3D Structure	ModBase 3D Structure for Q5VSQ9
Immunogen	Partial recombinant protein corresponding to aa320-419 from human BMP9 with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SAGAGSHCQKTSLRVNFEDIGWDSWIIAPKEYEAYECKGGCFFPLADDVTPTKHAIVQTLVHLKFPTKVGKACCVPTKLSPISVLYKDDMGVPTLKYHYE
Conjugate	MaxLight550
Product Categories/Family for anti-BMP9 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-BMP9 antibody	FLISA
Application Notes for anti-BMP9 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BMP9 antibody	GDF2 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in rodents suggest that this protein plays a role in the adult liver and in differentiation of cholinergic central nervous system neurons.

Other Notes	Small volumes of anti-BMP9 antibody 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 BMP9 purchase	MBS6210446 is an antibody targeting BMP9. Also known as BMP9 (Growth/Differentiation Factor 2, GDF-2, Bone Morphogenetic Protein 9, BMP-9, GDF2) (MaxLight 550). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BMP9. It may not necessarily be applicable to this product.

NCBI GI #	7705308
NCBI GeneID	2658
NCBI Accession #	NP_057288
UniProt Primary Accession #	Q5VSQ9
UniProt Secondary Accession #	Q5VSQ9; Q9Y571
UniProt Related Accession #	Q9UK05
GenBank Nucleotide #	NM_016204
NCBI Official Full Name	growth/differentiation factor 2 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 2
NCBI Official Symbol	GDF2
NCBI Official Synonym Symbols	BMP9; HHT5; BMP-9
UniProt Protein Name	Growth/differentiation factor 2
UniProt Synonym Protein Names	Bone morphogenetic protein 9; BMP-9
UniProt Gene Name	GDF2
UniProt Synonym Gene Names	BMP9; GDF-2; BMP-9
UniProt Entry Name	GDF2_HUMAN
NCBI Protein Information	growth/differentiation factor 2; GDF-2; bone morphogenetic protein 9
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/bmp9/6210446