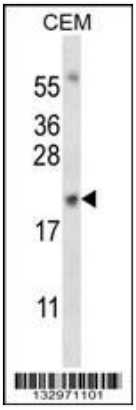
MYOG Antibody – Rabbit Polyclonal

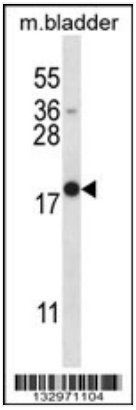
PRODUCT OVERVIEW

Product Name	MYOG, Polyclonal Antibody
Full Product Name	MYOG, NT (MYOG, BHLHC3, MYF4, Myogenin, Class C basic helix-loop-helix protein 3, Myogenic factor 4) (FITC)
Product Gene Name	anti-MYOG antibody
Product Synonym Names	MYOG; BHLHC3; MYF4; Myogenin; Class C basic helix-loop-helix protein 3; Myogenic factor 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	25kDa
Chromosome Location	Chromosome: 1; NC_000001.10 (203052257..203055166, complement). Location: 1q31-q41
OMIM	159980
3D Structure	ModBase 3D Structure for P15173
Immunogen	MYOG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-58 amino acids from the N-terminal region of human MYOG.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-MYOG antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-MYOG antibody	Western Blot (WB), FLISA
Application Notes for anti-MYOG antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MYOG antibody	Myogenin is a muscle-specific transcription factor that can induce myogenesis in a variety of cell types in tissue culture. It is a member of a large family of proteins related by sequence homology, the helix-loop-helix (HLH) proteins. It is essential for the development of functional skeletal muscle. [provided by RefSeq].
Product References and Citations for anti-MYOG antibody	Gao, X., et al. J. Cell. Biochem. 110(1):162-170(2010). Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009). Ramamoorthy, S., et al. Am. J. Physiol. Endocrinol. Metab. 297 (2), E392-E401 (2009): Nanni, P., et al. Mol. Cancer Ther. 8(4):754-761(2009). Gong, C., et al. Genes Dev. 23(1):54-66(2009).

Other Notes	Small volumes of anti-MYOG 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 MYOG purchase	MBS6323498 is an antibody targeting MYOG. Also known as MYOG, NT (MYOG, BHLHC3, MYF4, Myogenin, Class C basic helix-loop-helix protein 3, Myogenic factor 4) (FITC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-MYOG antibody
MYOG Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the MYOG antibody detected the MYOG protein (arrow).



Western Blot (WB) of anti-MYOG antibody
MYOG Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the MYOG antibody detected the MYOG protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	18765727
NCBI GeneID	4656
NCBI Accession #	NP_002470.2
UniProt Primary Accession #	P15173
UniProt Secondary Accession #	Q53XW6
UniProt Related Accession #	P15173
GenBank Nucleotide #	NM_002479.5
NCBI Official Full Name	myogenin
NCBI Official Synonym Full Names	myogenin (myogenic factor 4)
NCBI Official Symbol	MYOG
NCBI Official Synonym Symbols	MYF4; myf-4; bHLHc3
UniProt Protein Name	Myogenin
UniProt Synonym Protein Names	Class C basic helix-loop-helix protein 3; bHLHc3; Myogenic factor 4
Protein Family	Myogenin
UniProt Gene Name	MYOG
UniProt Synonym Gene Names	BHLHC3; MYF4; bHLHc3; Myf-4
UniProt Entry Name	MYOG_HUMAN
NCBI Protein Information	myogenin; myogenic factor 4; class C basic helix-loop-helix protein 3

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