BOLL Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BOLL, Monoclonal Antibody
Full Product Name	BOLL (Bol, Boule-like (Drosophila)) (MaxLight 650)
Product Gene Name	anti-BOLL antibody
Product Synonym Names	Bol; Boule-like (Drosophila)
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1000
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified
Specificity	Recognizes BOLL.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	19,256 Da
OMIM	606165
3D Structure	ModBase 3D Structure for Q8N9W6
Immunogen	BOLL (NP_149019, 185aa-283aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	ATTQYLPGQWQWSVPQPSASSAPFLYLQPSEVIYQPVEIAQDGGCVPPPLSLMETSVPEPYSDHGVQATYHQVYAPSAITMPAPVMQPEPIKTVWSIHY
Conjugate	MaxLight650
Product Categories/Family for anti-BOLL antibody	Antibodies; Spermatogenesis; Testis Proteins
Applications Tested/Suitable for anti-BOLL antibody	Western Blot (WB)
Application Notes for anti-BOLL antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BOLL antibody	This gene belongs to the DAZ gene family required for germ cell development. It encodes an RNA-binding protein which is more similar to Drosophila Boule than to human proteins encoded by genes DAZ (deleted in azoospermia) or DAZL (deleted in azoospermia-like). Loss of this gene function results in the absence of sperm in semen (azoospermia). Histological studies demonstrated that the primary defect is at the meiotic G2/M transition. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Notes	Small volumes of anti-BOLL 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 BOLL purchase	MBS6226707 is an antibody targeting BOLL. Also known as BOLL (Bol, Boule-like (Drosophila)) (MaxLight 650). Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	14719414
NCBI GeneID	66037
NCBI Accession #	NP_149019
UniProt Primary Accession #	Q8N9W6
UniProt Secondary Accession #	Q0JW32; Q53T62; Q969U3; B4DZA4
UniProt Related Accession #	Q8N9W6
GenBank Nucleotide #	NM_033030
NCBI Official Full Name	protein boule-like isoform 2
NCBI Official Synonym Full Names	boule-like RNA-binding protein
NCBI Official Symbol	BOLL
NCBI Official Synonym Symbols	BOULE
UniProt Protein Name	Protein boule-like
Protein Family	Protein boule
UniProt Gene Name	BOLL
UniProt Synonym Gene Names	BOULE
UniProt Entry Name	BOLL_HUMAN
NCBI Protein Information	protein boule-like; bol, boule-like
UniProt Comments for BOLL	BOLL: Probable RNA-binding protein, which may be required during spermatogenesis. May act by binding to the 3'-UTR of mRNAs and regulating their translation. Belongs to the RRM DAZ family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Translation Chromosomal Location of Human Ortholog: 2q33 Cellular Component: cytoplasm Molecular Function: protein binding; translation activator activity; RNA binding; nucleotide binding Biological Process: positive regulation of translational initiation; meiosis; multicellular organismal development; spermatogenesis; cell differentiation
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