APOL3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	APOL3, Monoclonal Antibody
Full Product Name	APOL3 (Apolipoprotein L, 3, APOLIII, CG12-1) (PE)
Product Gene Name	anti-APOL3 antibody
Product Synonym Names	Apolipoprotein L; 3; APOLIII; CG12-1
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	8F5
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes APOL3.
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: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44kDa
OMIM	607253
3D Structure	ModBase 3D Structure for O95236
Immunogen	APOL3 (NP_663615, 240aa-336aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VEHSYTSSAEAEASRLTATSIDRLKVFKEVMRDITPNLLSLLNNYYEATQTIGSEIRAIRQARARARLPVTTWRISAGSGGQAERTIAGTTRAVSRG
Conjugate	PE
Product Categories/Family for anti-APOL3 antibody	Antibodies; Lipoproteins
Applications Tested/Suitable for anti-APOL3 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-APOL3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-APOL3 antibody	This gene is a member of the apolipoprotein L gene family, and it is present in a cluster with other family members on chromosome 6. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids, including cholesterol, and/or allow the binding of lipids to organelles. In addition, expression of this gene is up-regulated by tumor necrosis factor-alpha in endothelial cells lining the normal and atherosclerotic iliac artery and aorta. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Notes	Small volumes of anti-APOL3 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 APOL3 purchase	MBS6186978 is an antibody targeting APOL3. Also known as APOL3 (Apolipoprotein L, 3, APOLIII, CG12-1) (PE). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APOL3. It may not necessarily be applicable to this product.

NCBI GI #	22035646
NCBI GeneID	80833
NCBI Accession #	NP_663615
UniProt Primary Accession #	O95236
UniProt Related Accession #	O95236
GenBank Nucleotide #	NM_145640
NCBI Official Full Name	apolipoprotein L3 isoform 1
NCBI Official Synonym Full Names	apolipoprotein L3
NCBI Official Symbol	APOL3
NCBI Official Synonym Symbols	CG121; CG12_1; APOLIII; apoL-III
UniProt Protein Name	Apolipoprotein L3
UniProt Synonym Protein Names	Apolipoprotein L-III; ApoL-III; TNF-inducible protein CG12-1
Protein Family	Apolipoprotein
UniProt Gene Name	APOL3
UniProt Entry Name	APOL3_HUMAN
NCBI Protein Information	apolipoprotein L3
NCBI Summary for APOL3	This gene is a member of the apolipoprotein L gene family, and it is present in a cluster with other family members on chromosome 22. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids, including cholesterol, and/or allow the binding of lipids to organelles. In addition, expression of this gene is up-regulated by tumor necrosis factor-alpha in endothelial cells lining the normal and atherosclerotic iliac artery and aorta. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]
Research Articles on APOL3	**1.** An association between an single nucleotide polymorphisms within the APOL3 locus and prostate cancer risk, is revealed.
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.
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/apol3/6186978