ARPC4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ARPC4, Monoclonal Antibody
Full Product Name	ARPC4 (Actin Related Protein 2/3 Complex, Subunit 4, 20kD, ARC20, MGC13544, p20-Arc, Arp2/3 Protein Complex Subunit p20) (MaxLight 750)
Product Gene Name	anti-ARPC4 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1E5
Host	Mouse
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ARPC4.
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 amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery o centrifuge the original vial prior to removing the cap.
OMIM	604226
3D Structure	ModBase 3D Structure for P59998
Immunogen	Partial recombinant corresponding to aa1-110 from ARPC4 (NP_005709) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MTATLRPYLSAVRATLQAALCLENFSSQVVERHNKPEVEVRSSKELLLQPVTISRNEKEKVLIEGSINSVRVSIAVKQADEIEKILCHKFMRFTMMRAENFFI
Conjugate	MaxLight750
Product Categories/Family for anti-ARPC4 antibody	Antibodies; Actin Related Proteins
Applications Tested/Suitable for anti-ARPC4 antibody	FLISA
Application Notes for anti-ARPC4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ARPC4 antibody	ARPC4 (actin-related protein 2/3 complex subunit 4), is an actin-binding element of the evolutionary conserved Arp2/3 protein complex, implicated as a of actin polymerization, and mediator of branched actin networks.

Other Notes	Small volumes of anti-ARPC4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 add ice fee may apply.
Searchable Terms for ARPC4 purchase	MBS6231637 is an antibody targeting ARPC4. Also known as ARPC4 (Actin Related Protein 2/3 Complex, Subunit 4, 20kD, ARC20, MGC13544, p20-A Arp2/3 Protein Complex Subunit p20) (MaxLight 750). Reactive in Human, Mouse. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARPC4. It may not necessarily be applicable to this product.

NCBI GI #	311771642
NCBI GeneID	10093
NCBI Accession #	NM_005718.4
UniProt Primary Accession #	P59998
UniProt Related Accession #	P59998
GenBank Nucleotide #	NM_005718
NCBI Official Full Name	Homo sapiens actin related protein 2/3 complex subunit 4 (ARPC4), transcript variant 1, mRNA
NCBI Official Synonym Full Names	actin related protein 2/3 complex subunit 4
NCBI Official Symbol	ARPC4
NCBI Official Synonym Symbols	ARC20; P20-ARC
UniProt Protein Name	Actin-related protein 2/3 complex subunit 4
UniProt Synonym Protein Names	Arp2/3 complex 20 kDa subunit
Protein Family	Actin-related protein 2/3 complex
UniProt Gene Name	ARPC4
UniProt Synonym Gene Names	ARC20; p20-ARC
UniProt Entry Name	ARPC4_HUMAN
NCBI Protein Information	actin-related protein 2/3 complex subunit 4
NCBI Summary for ARPC4	This gene encodes one of seven subunits of the human Arp2/3 protein complex. This complex controls actin polymerization in cells and has been conserved throughout eukaryotic evolution. This gene encodes the p20 subunit, which is necessary for actin nucleation and high-affinity binding to F-actin. Alternative splicing results in multiple transcript variants. Naturally occurring read-through transcription exists between this gene and the downstream tubulin tyrosine ligase-like family, member 3 (TTLL3), which results in the production of a fusion protein. [provided by RefSeq, Nov 2010]
Research Articles on ARPC4	**1.** Expression of the ARPC4 severely affects mycobacterium tuberculosis growth and suppresses immunogenic response in murine macrophages
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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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.

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