TRIC-A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIC-A, Polyclonal Antibody
Full Product Name	TRIC-A (Trimeric Intracellular Cation Channel Type A, TRICA, Transmembrane Protein 38A, TMEM38A) (MaxLight 650)
Product Gene Name	anti-TRIC-A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human TRIC-A. Species Crossreactivity: Rat and mouse. Species sequence homology: Chimpanzee (100%).
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	33,260 Da
OMIM	611235
3D Structure	ModBase 3D Structure for Q9H6F2
Immunogen	Synthetic linear peptide corresponding to the cytoplasmic domain of human TRIC-A (KLH).
Conjugate	MaxLight650
Positive Control	Human fetal skeletal muscle tissue lysate
Note	Preservative Free
Product Categories/Family for anti-TRIC-A antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-TRIC-A antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)
Application Notes for anti-TRIC-A antibody	WB: 1ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-TRIC-A antibody	MBS6270196 is an antibody targeting TRIC-A. Also known as TRIC-A (Trimeric Intracellular Cation Channel Type A, TRICA, Transmembrane Protein 38A, TMEM38A) (MaxLight 650). Reactive in Human, Mouse, Rat. Host: Rabbit.
Product References and Citations for anti-TRIC-A antibody	1. Wilkie, G.S., et al. (2011). Mol Cell Proteomics. 10(1):M110.003129-1. 2. Zhao, X., et al. (2010). J Biol Chem. 285(48): 37370-37376. 3. Pitt, S.J., et al. (2010). Biophys J. 99(2):417-426. 4. Yamazaki, D., et al. (2009). Development. 136(14):2355-2361. 5. Yazawa, M., et al. (2007). Nature. 448:78-82.
Other Notes	Small volumes of anti-TRIC-A 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.

ADDITIONAL DETAILS

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

NCBI GI #	13129060
NCBI GeneID	79041
NCBI Accession #	NP_076979.1
UniProt Primary Accession #	Q9H6F2
UniProt Secondary Accession #	A8K9P9
UniProt Related Accession #	Q9H6F2
GenBank Nucleotide #	NM_024074.1
NCBI Official Full Name	trimeric intracellular cation channel type A
NCBI Official Synonym Full Names	transmembrane protein 38A
NCBI Official Symbol	TMEM38A
NCBI Official Synonym Symbols	TRICA; TRIC-A
UniProt Protein Name	Trimeric intracellular cation channel type A
UniProt Synonym Protein Names	Transmembrane protein 38A
Protein Family	Trimeric intracellular cation channel
UniProt Gene Name	TMEM38A
UniProt Synonym Gene Names	TRIC-A; TRICA
UniProt Entry Name	TM38A_HUMAN
NCBI Protein Information	trimeric intracellular cation channel type A
UniProt Comments for TRIC-A	TMEM38A: Monovalent cation channel required for maintenance of rapid intracellular calcium release. May act as a potassium counter-ion channel that functions in synchronization with calcium release from intracellular stores. Belongs to the TMEM38 family. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 19p13.11 Cellular Component: sarcoplasmic reticulum membrane; nuclear membrane; integral to membrane Molecular Function: potassium channel activity
Research Articles on TRIC-A	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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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