MRRF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRRF, Polyclonal Antibody
Full Product Name	MRRF (Ribosome-Recycling Factor, Mitochondrial, RRF, Ribosome-Releasing Factor, Mitochondrial, MRRF) (MaxLight 750)
Product Gene Name	anti-MRRF antibody
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 MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes MRRF. Species Crossreactivity: human, mouse
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23,511 Da
OMIM	604602
3D Structure	ModBase 3D Structure for Q96E11
Immunogen	Synthetic peptide corresponding to human MRRF.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-MRRF antibody	Antibodies; Mitochondrial Proteins
Applications Tested/Suitable for anti-MRRF antibody	Western Blot (WB)
Application Notes for anti-MRRF antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-MRRF antibody	MBS6457403 is an antibody targeting MRRF. Also known as MRRF (Ribosome-Recycling Factor, Mitochondrial, RRF, Ribosome-Releasing Factor, Mitochondrial, MRRF) (MaxLight 750). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-MRRF antibody	Ota T., et al. Nat. Genet. 36:40-45(2004). Humphray S.J., et al. Nature 429:369-374(2004). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Zhang Y., et al. Biochim. Biophys. Acta 1443:245-250(1998). Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).
Other Notes	Small volumes of anti-MRRF 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 MRRF. It may not necessarily be applicable to this product.

NCBI GI #	291042689
NCBI GeneID	92399
NCBI Accession #	NP_001166983.1
UniProt Primary Accession #	Q96E11
UniProt Secondary Accession #	Q5RKT1; Q5T7T0; Q5T7T1; Q5T7T2; Q5T7T3; Q5T7T4; Q5T7T5; A8K6D8; A8K6Z4; B7Z4X5; B7Z6P7
UniProt Related Accession #	Q96E11
GenBank Nucleotide #	NM_001173512.1
NCBI Official Full Name	ribosome-recycling factor, mitochondrial isoform 3
NCBI Official Synonym Full Names	mitochondrial ribosome recycling factor
NCBI Official Symbol	MRRF
NCBI Official Synonym Symbols	RRF; MRFF; MTRRF
UniProt Protein Name	Ribosome-recycling factor, mitochondrial
UniProt Synonym Protein Names	Ribosome-releasing factor, mitochondrial
UniProt Gene Name	MRRF
UniProt Synonym Gene Names	RRF
UniProt Entry Name	RRFM_HUMAN
NCBI Protein Information	ribosome-recycling factor, mitochondrial; ribosome-releasing factor, mitochondrial
UniProt Comments for MRRF	MRRF: Responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. May increase the efficiency of translation by recycling ribosomes from one round of translation to another. Belongs to the RRF family. 8 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 9q33.2 Cellular Component: mitochondrial matrix Biological Process: mitochondrial translation; organelle organization and biogenesis; ribosome disassembly
Research Articles on MRRF	**1.** Observational study of gene-disease association. (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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