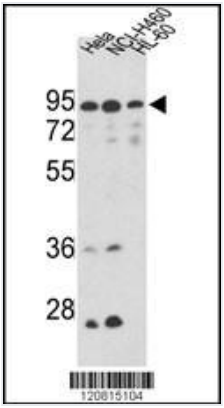
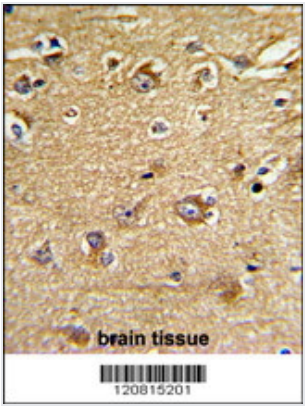
IMMT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

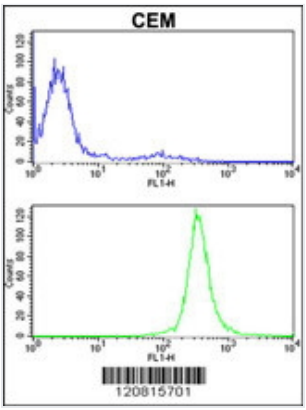
Product Name	IMMT, Polyclonal Antibody
Full Product Name	IMMT, ID (Mitochondrial Inner Membrane Protein, Mitofilin, p87/89, Cell Proliferation-inducing Gene 4 Protein, HMP, PIG4, PIG52) (PE)
Product Gene Name	anti-IMMT antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human IMMT.
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	83,549 Da
OMIM	600378
3D Structure	ModBase 3D Structure for Q16891
Immunogen	Synthetic peptide selected from the center region of human IMMT (KLH).
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-IMMT antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-IMMT antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IMMT antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IMMT antibody	MBS6488311 is an antibody targeting IMMT. Also known as IMMT, ID (Mitochondrial Inner Membrane Protein, Mitofilin, p87/89, Cell Proliferation-inducing Gene 4 Protein, HMP, PIG4, PIG52) (PE). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-IMMT antibody	1. Bernert, G., et.al., Proteomics 2(12), 1752-1757 (2002).
Other Notes	Small volumes of anti-IMMT 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.



Western Blot (WB) of anti-IMMT antibody
Western blot analysis of IMMT Antibody (Center) in Hela, NCI-H460, CEM cell line lysates (35ug/lane). IMMT (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-IMMT antibody
Formalin-fixed and paraffin-embedded human brain tissue reacted with IMMT Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-IMMT antibody
IMMT Antibody (Center) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

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

NCBI GI #	154354964
NCBI GeneID	10989
NCBI Accession #	NP_006830
UniProt Primary Accession #	Q16891
UniProt Secondary Accession #	Q14539; Q15092; Q68D41; Q69HW5; Q6IBL0; Q7Z3X1; Q8TAJ5; Q9P0V2; B1H0U5; B2R5N6
UniProt Related Accession #	Q16891
GenBank Nucleotide #	NM_006839.2
NCBI Official Full Name	MICOS complex subunit MIC60 isoform 1
NCBI Official Synonym Full Names	inner membrane mitochondrial protein
NCBI Official Symbol	IMMT
NCBI Official Synonym Symbols	HMP; P87; P89; PIG4; Mic60; PIG52; MINOS2; P87/89
UniProt Protein Name	MICOS complex subunit MIC60
UniProt Synonym Protein Names	Cell proliferation-inducing gene 4/52 protein; Mitochondrial inner membrane protein; Mitofilin; p87/89

UniProt Gene Name	IMMT
UniProt Synonym Gene Names	HMP; MIC60; MINOS2
UniProt Entry Name	MIC60_HUMAN
NCBI Protein Information	MICOS complex subunit MIC60
UniProt Comments for IMMT	IMMT: 3 isoforms of the human protein are produced by alternative splicing. Protein type: Mitochondrial; Membrane protein, integral Chromosomal Location of Human Ortholog: 2p11.2|2 Cellular Component: mitochondrion; membrane; mitochondrial inner membrane; integral to membrane Molecular Function: protein binding Biological Process: mitochondrial calcium ion homeostasis; response to cold
Research Articles on IMMT	**1.** Mic60 interacted with mtDNA and was involved in the architecture of mtDNA D-loop region. Taken together, our findings reveal a previously unrecognized important role of Mic60 in mtDNA transcription.
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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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