

KD-Validated Anti-IMMT Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2185**Specification****KD-Validated Anti-IMMT Mouse Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	Q16891
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	Predicted, 84 kDa, observed, 75 kDa kDa
Gene Name	IMMT
Aliases	IMMT; Inner Membrane Mitochondrial Protein; MINOS2; HMP; Mitofilin; MICOS60; Mic60; P87; P89; Mitochondrial Contact Site And Cristae Organizing System Subunit 60; Mitochondrial Inner Membrane Organizing System 2; Cell Proliferation-Inducing Gene 4/52 Protein; Mitochondrial Inner Membrane Protein; MICOS Complex Subunit MIC60; Heart Muscle Protein; P87/89; Inner Membrane Protein, Mitochondrial (Mitofilin); Cell Proliferation-Inducing Protein 52; Proliferation-Inducing Gene 4; Motor Protein; PIG52; MIC60; PIG4
Immunogen	Recombinant protein of human IMMT

KD-Validated Anti-IMMT Mouse Monoclonal Antibody - Additional Information

Gene ID 10989

Other Names

MICOS complex subunit MIC60, Cell proliferation-inducing gene 4/52 protein, Mitochondrial inner membrane protein, Mitofilin, p87/89, IMMT, HMP, MIC60, MINOS2

KD-Validated Anti-IMMT Mouse Monoclonal Antibody - Protein Information**Name** IMMT**Synonyms** HMP, MIC60, MINOS2**Function**

Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane (PubMed: [22114354](http://www.uniprot.org/citations/22114354), PubMed: [25781180](http://www.uniprot.org/citations/25781180), PubMed: [25781180](http://www.uniprot.org/citations/25781180)).

href="http://www.uniprot.org/citations/32567732" target="_blank">32567732, PubMed:33130824). Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology (PubMed:22114354, PubMed:25781180, PubMed:32567732, PubMed:33130824).

Cellular Location

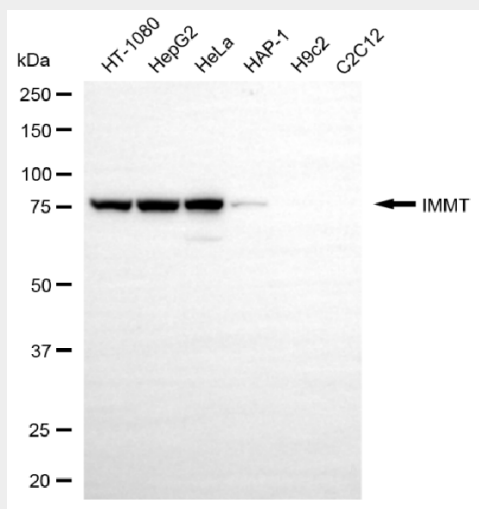
Mitochondrion inner membrane; Single-pass membrane protein. Mitochondrion

KD-Validated Anti-IMMT Mouse Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

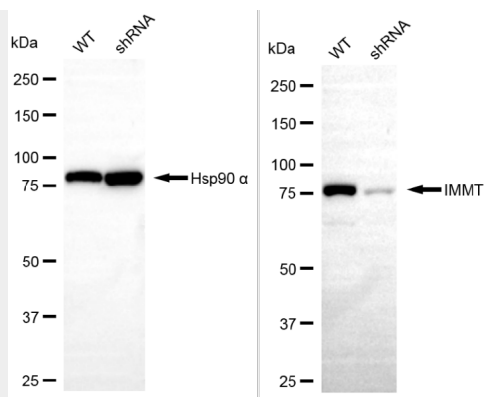
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-IMMT Mouse Monoclonal Antibody - Images



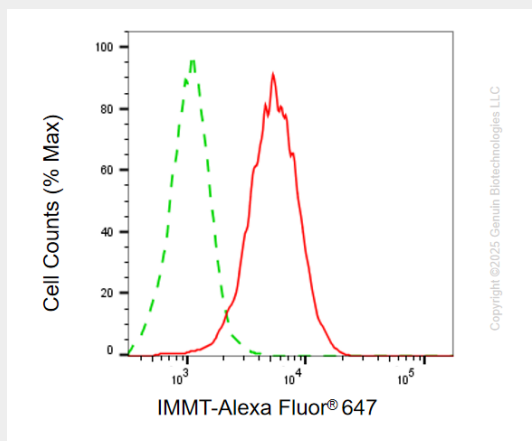
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Western blotting analysis using anti-IMMT antibody (Cat#AGI2185). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-IMMT antibody (Cat#AGI2185, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



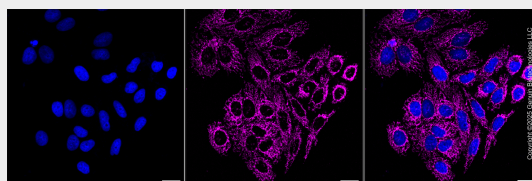
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Western blotting analysis using anti-IMMT antibody (Cat#AGI2185). IMMT expression in wild-type (WT) and IMMT shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-IMMT antibody (Cat#AGI2185, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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Flow cytometric analysis of IMMT expression in HepG2 cells using anti-IMMT antibody (Cat#AGI2185, 1:1,000). Green, isotype control; red, IMMT.



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Immunocytochemical staining of HepG2 cells with anti-IMMT antibody (Cat#AGI2185, 1:1,000). Nuclei were stained blue with DAPI; IMMT was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.