

# TOMM20 Recombinant Rabbit Monoclonal Antibody (3G5)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	3G5
Conjugate	Unconjugated
Immunogen	Recombinant TOMM20.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2717297

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

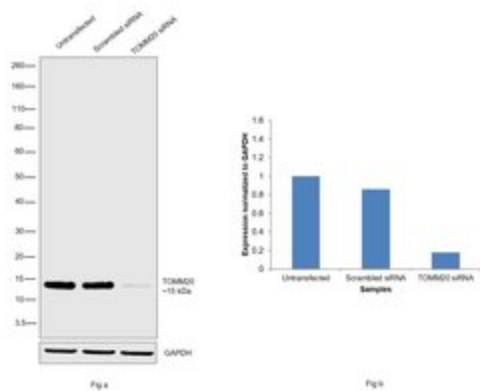
## Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

## Advanced Verification Data

### TOMM20 Antibody (MA5-24859)

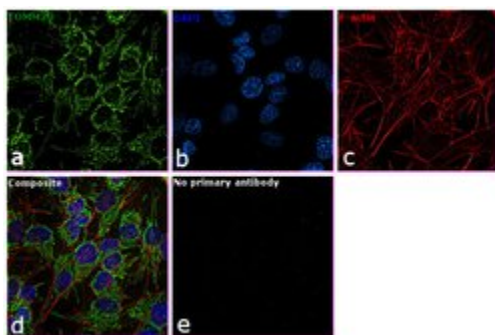
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with TOMM20 siRNA and reduction of signal was observed in Western Blot using TOMM20 Recombinant Rabbit Monoclonal Antibody (3G5) (Product # MA5-24859). Knockdown validation info.



## Product Images For TOMM20 Recombinant Rabbit Monoclonal Antibody (3G5)

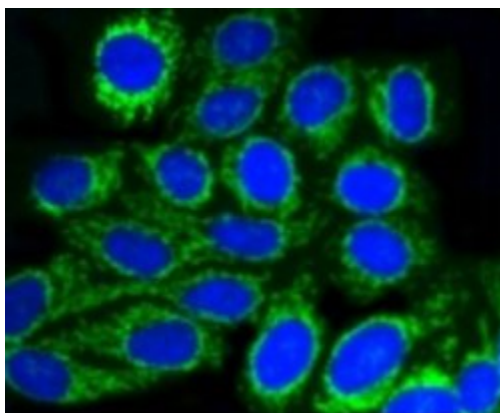
### TOMM20 Antibody (MA5-24859) in ICC/IF

Immunofluorescence analysis was performed using Anti-TOMM20 Rabbit Monoclonal Antibody (Product # MA5-24859) using 70% confluent log phase Hep G2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with TOMM20 Rabbit Monoclonal Antibody (Product # MA5-24859) at 1:100 dilution in 0.1% BSA and incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing mitochondrial localization. Panel e represents the no primary control. The images were captured at 60X magnification.



### TOMM20 Antibody (MA5-24859) in ICC/IF

Immunofluorescence analysis of TOMM20 in HepG2 cells (green). Samples were treated with paraformaldehyde, permeabilized with 0.25% Triton and PBS, and incubated with TOMM20 monoclonal antibody (Product # MA5-24859).



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