

# CD63 Recombinant Rabbit Monoclonal Antibody (142)

## Product Details

Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	142
Conjugate	Unconjugated
Immunogen	Recombinant Human CD63 protein (Ala103-Val203)
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2785953

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	1:5,000-1:10,000	-

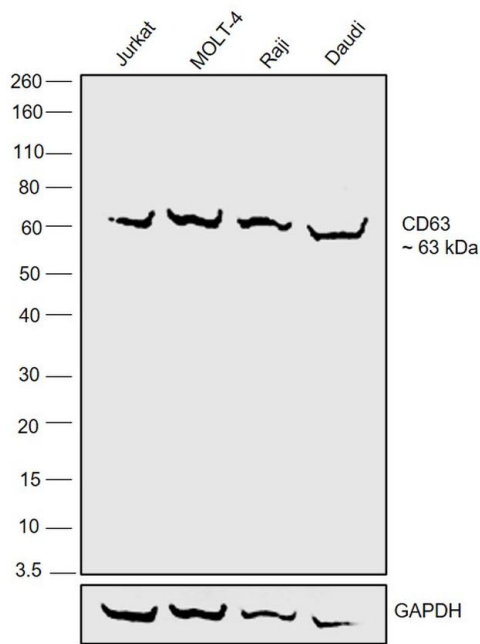
## Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05%-0.1%).

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.

This antibody has specificity for Human CD63.

Product Images For CD63 Recombinant Rabbit Monoclonal Antibody (142)

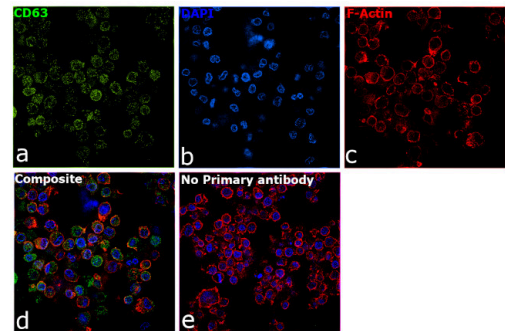


CD63 Antibody (MA5-30187) in WB

Western blot was performed using Anti-CD63 Recombinant Rabbit Monoclonal Antibody (142) (Product # MA5-30187) and a 63 kDa band corresponding to CD63 was observed across cell lines tested. Purified exosome extracts (7 µg lysate) of Jurkat (Lane 1), MOLT-4 (Lane 2), Raji (Lane 3), Daudi (Lane 4) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0301BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

CD63 Antibody (MA5-30187) in ICC/IF

Immunofluorescence analysis of CD63 was performed using 70% confluent log phase Jurkat cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with CD63 Recombinant Rabbit Monoclonal Antibody (142) (Product # MA5-30187) at 1:100 in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731), (1:2500), 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 cytosolic punctate localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60 magnification.



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