

NLRC4 Monoclonal Antibody (GT1387)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	GT1387
Conjugate	Unconjugated
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human CARD12. The exact sequence is proprietary.
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_2735293

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

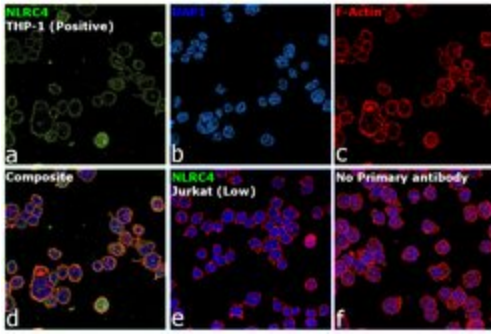
Product Specific Information

Positive Control: human NLRC4-transfected 293T

Predicted Reactivity: Bovine (82%)

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Advanced Verification Data



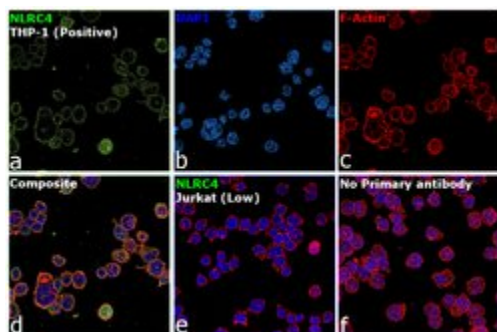
NLRC4 Antibody (MA5-27846)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-NLRC4 Monoclonal Antibody (GT1387) (Product # MA5-27846) shows cytoplasmic localization of NLRC4 in THP-1 and no staining in Jurkat which is reported to be low expressing for the same [doi: 10.1016/j.febslet.2004.04.095] Relative expression validation info.

Product Images For NLRC4 Monoclonal Antibody (GT1387)

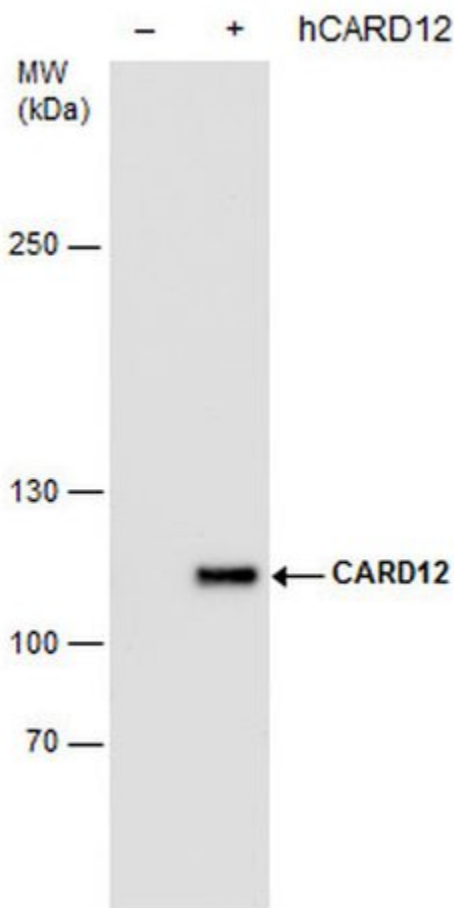
NLRC4 Antibody (MA5-27846) in ICC

Immunofluorescence analysis of NLRC4 (NLR family CARD domain-containing protein 4) was performed using log phase THP-1 and 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 NLRC4 Monoclonal Antibody (GT1387) (Product # MA5-27846) at 1:100 in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2500 dilution), 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 cytoplasmic localization of NLRC4 in THP-1 cells. Panel e represents Jurkat cells with no staining for the same. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



NLRC4 Antibody (MA5-27846) in WB

Western blot analysis of NLRC4 in non-transfected (-) and CARD12 -transfected (+) 293T whole cell extracts using 30 µg of protein. Samples were separated with 5% SDS-PAGE and incubated with NLRC4 monoclonal antibody (Product # MA5-27846) using a dilution of 1:5000.



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