

Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor™ 555

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Superclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 555
Excitation/Emission Max	553/568 nm
Immunogen	Recombinant full-length protein
Form	Liquid
Concentration	1 mg/mL
Purification	Gravity column chromatography
Storage buffer	PBS
Contains	5mM sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2536091

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:10,000	-
Immunocytochemistry (ICC/IF)	0.1-1 µg/mL	-

Product Specific Information

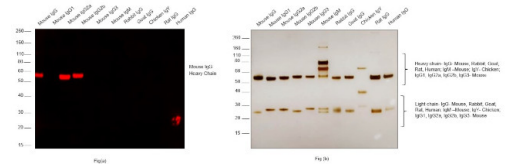
The sensitivity and specificity of each lot is confirmed using ELISA.

Minimal cross-reactivity with goat, rat, human, bovine, guinea pig, and donkey IgG is observed.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

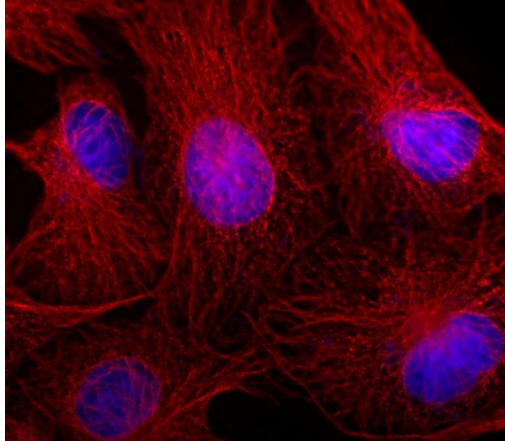
Mouse IgG (H+L) Secondary Antibody (A27028)

Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Rat IgG. A band at ~55 kDa corresponding to Mouse IgG Heavy Chain was observed in Mouse IgG, Mouse IgG2a and Mouse IgG2b but not in other species using Rabbit anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor™ 555 (Product # A27028) in Western Blot. {RE}



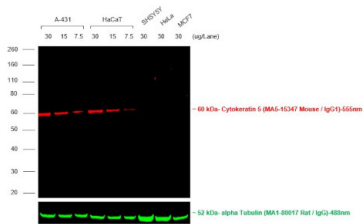
Mouse IgG (H+L) Secondary Antibody (A27028) in ICC/IF

alpha-Tubulin (red) in U2OS human osteocarcinoma cells was labeled with Mouse anti-alpha-Tubulin primary antibody (Product # 32-2500) (1:3000), and visualized using Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 555 conjugate (Product # A27028) (0.4 µg/mL, 1:2500). Nuclei (blue) were stained with SlowFade® Gold Antifade Mountant using DAPI (Product # S36938) (1:50).



Mouse IgG (H+L) Secondary Antibody (A27028) in WB

Fluorescent western blot was performed using Rabbit anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor™ 555 (Product # A27028). Whole cell extracts of A-431 (Lane 1, 2, 3), HaCaT (Lane 4, 5, 6), SH-SY5Y (Lane 7), HeLa (Lane 8) and MCF7 (Lane 9) were electrophoresed usingNuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03221BOX). Resolved proteins were transferred onto anitrocellulose membrane (Product # IB23001) byiBlot® 2 Dry BlottingSystem (Product # IB21001). The blot was probed with Cytokeratin 5 Monoclonal Antibody (3E2F1) (Product # MA5-15347), and alpha-tubulin monoclonal antibody (Product # MA1-80017). Secondary antibodies (Product # A27028, 1:10,000), and (Product # A48269, 1:10,000) were used for detection of Cytokeratin 5, and alpha-tubulin respectively. Fluorescent detection was performed usingiBright™FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # A27028) specifically detects the mouse primary antibody.



View more figures on thermofisher.cn

7 References

TGF- Signaling Loop in Pancreatic Ductal Adenocarcinoma Activates Fibroblasts and Increases Tumor Cell Aggressiveness. *Cancers (Basel)* (2024)

Multiscale mechanical analysis of the elastic modulus of skin. *Acta Biomater* (2023)

IL-33-induced neutrophilic inflammation and NETosis underlie rhinovirus-triggered exacerbations of asthma. *Mucosal Immunol* (2023)

IL-33-induced neutrophilic inflammation and NETosis underlie rhinovirus-triggered exacerbations of asthma *bioRxiv* (2022)

Prestin amplifies cardiac motor functions. *Cell Rep* (2021)

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