

Rabbit anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor™ 594

Product Details

Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 594
Excitation/Emission Max	590/618 nm
Immunogen	Recombinant full-length protein
Form	Liquid
Concentration	1 mg/mL
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2536090

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	0.1-1 µg/mL	-

Product Specific Information

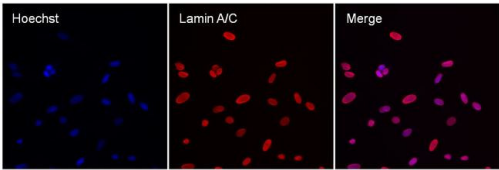
The sensitivity and specificity of each lot is confirmed using ELISA.

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.

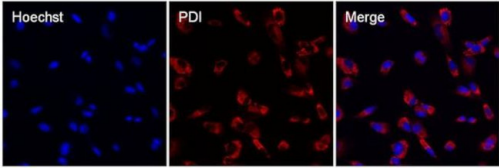
Mouse IgG (H+L) Secondary Antibody (A27027) in ICC/IF

Immunofluorescent analysis of Lamin A/C (red) in MDCK cells. The cells were permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and blocked with 3% BSA in PBS (Product # 37525) for 15 minutes at room temperature. Cells were stained with a Lamin A/C mouse monoclonal antibody (Product # MA31000), at a dilution 1:100 in blocking buffer for at least 1 hour at room temperature, and then incubated with a Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 594 conjugate (Product # A27027) at a dilution of 1:1000 for 30 minutes at room temperature (red). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



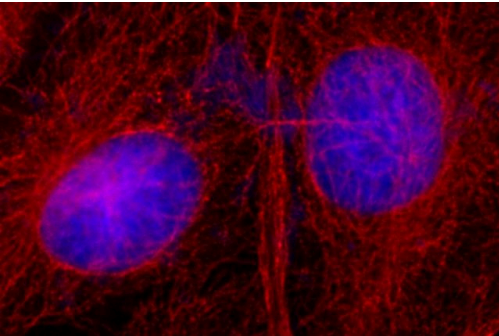
Mouse IgG (H+L) Secondary Antibody (A27027) in ICC/IF

Immunofluorescent analysis of PDI (red) in MDCK cells. The cells were permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and blocked with 3% BSA in PBS (Product # 37525) for 15 minutes at room temperature. Cells were stained with a PDI mouse monoclonal antibody (Product # MA3-018), at a dilution of 1:100 in blocking buffer for at least 1 hour at room temperature, and then incubated with a Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 594 conjugate (Product # A27027) at a dilution of 1:1000 for 30 minutes at room temperature (red). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



Mouse IgG (H+L) Secondary Antibody (A27027) 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® 594 conjugate (Product # A27027) (0.4 µg/mL, 1:2500). Nuclei (blue) were stained with SlowFade® Gold Antifade Mountant using DAPI (Product # S36938) (1:50).



10 References

High-mobility group box-1 impedes skeletal muscle regeneration via downregulation of Pax-7 synthesis by increasing miR-342-5p expression. Aging (Albany NY) (2023)

In vitro assessment of varying peptide surface density on the suppression of angiogenesis by micelles displaying v3 blocking peptides. J Biomed Mater Res B Appl Biomater (2023)

SARS-CoV-2 viral entry and replication is impaired in Cystic Fibrosis airways due to ACE2 downregulation. Nat Commun (2023)

Centromere defects, chromosome instability, and cGAS-STING activation in systemic sclerosis. Nat Commun (2022)

Generation of Human Pluripotent Stem Cell-Derived Polarized Hepatocytes. Curr Protoc (2022)

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