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	-

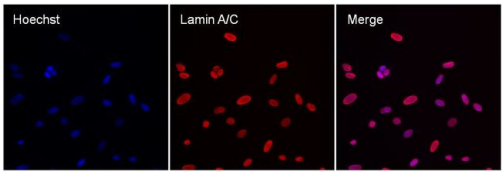
Product Specific Information

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

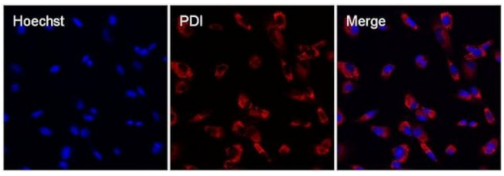
Minimal cross-reactivity with goat, rat, human, bovine, guinea pig, and donkey IgG is observed.

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.

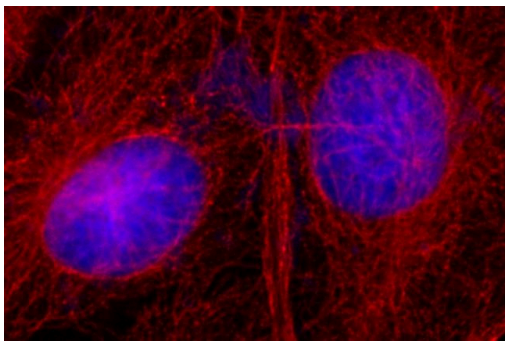
Product Images For Rabbit anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor™ 594



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 U20S 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)