

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

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotope	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Secondary Antibody
Conjugate	Unconjugated
Immunogen	Recombinant full-length protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2536086

Applications	Tested	Dilution	Published
ELISA (ELISA)	✓	0.01-0.5 µg/mL	
Immunocytochemistry (ICC)	✓	0.1-1 µg/mL	
Immunofluorescence (IF)	✓	0.1-1 µg/mL	
Western Blot (WB)	✓	0.05-1 µg/mL	

Product Specific Information

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

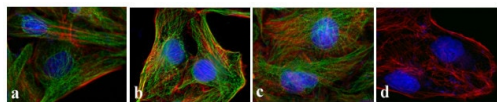
Minimal cross-reactivity with goat, rat, human, bovine, guinea pig, and donkey IgG is observed.

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

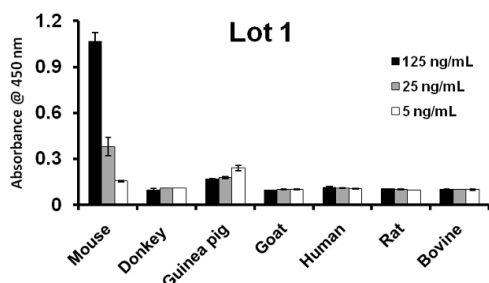
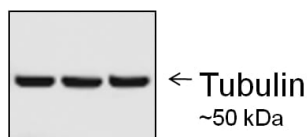
Mouse IgG (H+L) Secondary Antibody (A27022) in IF

alpha-Tubulin (green) in U2OS human osteocarcinoma cells was labeled with Mouse anti-alpha-Tubulin primary antibody (Product # 32-2500) (1:3000), Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Unconjugated (Product # A27022) (0.4 µg/mL) and visualized using Alexa Fluor® 488 Goat anti-Rabbit IgG (H+L) as tertiary antibody (Product # A-11008) (1:400). Nuclei (blue) were stained with SlowFade® Gold Antifade Mountant using DAPI (Product # S36938) (1:50). F-actin (red) was stained with Alexa Fluor® 594 Phalloidin (Product # A12381) (1:200). Representative images with 3 lots of Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Unconjugated (Product # A27022) for lot-to-lot consistency of performance (panel a-c) and no primary control (panel d) to assess background are shown.



Mouse IgG (H+L) Secondary Antibody (A27022) in WB

Expression of endogenous alpha-Tubulin was detected at 50 KDa using Mouse anti-alpha-Tubulin primary antibody (Product # 32-2500) (1:3000) and Rabbit anti-Mouse IgG (H+L) Superclonal Secondary Antibody, Unconjugated (Product # A27022) (0.4 µg/mL, 1:2500 dilution). Goat anti-Rabbit IgG (H+L), HRP conjugate as the tertiary antibody (G21234) (1:3000). Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa human cervical carcinoma cells (lane 1-3) using the Xcell Surelock Electrophoresis system and iBlot® Dry Blotting System. Chemiluminescence was detected using the Pierce™ ECL Western Blotting Substrate (Product # 32106).



Mouse IgG (H+L) Secondary Antibody (A27022) in ELISA

ELISA was performed using purified IgG from different species to determine the cross-reactivity and lot-to-lot consistency of Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Unconjugated (Product # A27022). Goat IgG (GT003), Mouse IgG (Product # 10400C), Rat IgG (Product # 10700), Human IgG (Product # 12000C), Bovine IgG (Bo003), Guinea Pig IgG (Gp003) and Donkey IgG (Dk-003-B) were coated onto the plate (coating conc 0.02 µg/mL). Three point dilution of Rabbit anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Unconjugated (Product # A27022) was used to determine the cross-reactivity of three lots around the EC50 (25 ng/mL) of binding to the target antigen (Mouse IgG). Goat anti-Rabbit HRP (Product # A16104, 1:5000) was used as the detector antibody.

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