

Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 660

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 660
Excitation/Emission Max	663/691 nm
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4°C, store in dark
RRID	AB_2535722

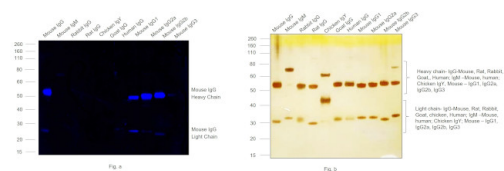
Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000	-
Immunohistochemistry (IHC)	1-10 µg/mL	-
Immunocytochemistry (ICC/IF)	1-10 µg/mL	-
Flow Cytometry (Flow)	-	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

Fluorescence of this long-wavelength Alexa Fluor dye is not visible by looking through a conventional fluorescence microscope.

Product will be shipped at Room Temperature.

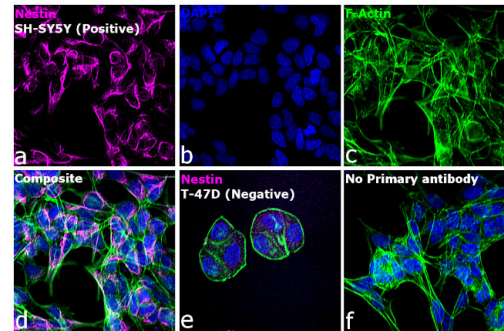
Product Images For Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 660



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-21055)
Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Mouse IgG. Bands at ~55 and 25 kDa corresponding to Mouse IgG Heavy and Light Chain was observed in Mouse IgG and its subclass isotypes but not in other species using Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 660 (Product # A-21055) in Western Blot. {RE}

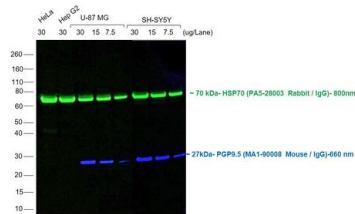
Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-21055) in ICC/IF

Immunofluorescence analysis of Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 660 (Product # A-21055) (Product # A-21055) was performed using SH-SY5Y (positive model) and T-47D (negative model) cells stained with Nestin Monoclonal Antibody (10C2), eBioscience™ (Product # 14-9843-80). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with 2 µg/mL primary antibody for 3 hours at room temperature. Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 660 (Product # A-21055, 1:2000 dilution) in 0.1% BSA in PBS for 45 minutes at room temperature, was used for detection of Nestin in the cytoskeleton (Panel a: Pink). Nuclei (Panel b: blue) were stained with Hoechst33342 (Product # H1399). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:300) (Panel c: green). Panel d represents the composite image. The specificity of the secondary antibody was proved by the absence of signal in T-47D (negative model for Nestin) due to no primary antibody binding (Panel e). Non-specific staining was not observed with secondary antibody alone (panel f). The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al./Methods 115 (2017) 28–41).



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-21055) in WB

Multiplexed fluorescent western blot was performed using Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 660 (Product # A-21055). Whole cell extracts of HeLa (Lane 1), Hep G2 (Lane 2), U-87 MG (Lane 3, 4, 5), SH-SY5Y (Lane 6, 7, 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with PGP9.5 Monoclonal Antibody (13C4) (Product # MA1-90008) and HSP70 Polyclonal Antibody (Product # PA5-28003). Secondary antibodies (Product # A-21055, 1:10000 dilution) and (Product # A32808, 1:20000 dilution) were used for detection of PGP9.5 and GAPDH respectively. Fluorescent detection was performed using iBright FL1500 (Product # A44115). Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 660 (Product # A-21055) specifically detects the mouse primary antibody.



View more figures on thermofisher.cn

27 References

Self-organizing glycolytic waves tune cellular metabolic states and fuel cancer progression. Nat Commun (2025)

Leveraging microtopography to pattern multi-oriented muscle actuators. Biomater Sci (2025)

TMED9 coordinates the clearance of misfolded GPI-anchored proteins out of the ER and into the Golgi. PLoS Biol (2025)

The Recovery of Epidermal Proliferation Pattern in Human Skin Xenograft. Cells (2025)

Age-dependent cerebral vasodilation induced by volatile anesthetics is mediated by NG2+ vascular mural cells. Commun Biol (2024)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.