

Donkey anti-Mouse IgG (H+L) ReadyProbes™ Secondary Antibody, Alexa Fluor™ 488

Product Details	
Size	2 x 2.5 mL
Species Reactivity	Mouse
Host/Isotype	Donkey / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 488
Excitation/Emission Max	499/520 nm
Immunogen	Gamma Immunoglobulin
Form	Liquid
Purification	Affinity chromatography
Storage buffer	PBS with 0.1% BSA
Contains	<0.1% sodium azide
Storage conditions	4° C, store in dark
RRID	AB_2556542

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,500-1:5,000	0 Publication
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	0 Publication
Immunocytochemistry (ICC/IF)	1:2,000	0 Publication
Flow Cytometry (Flow)	Assay-Dependent	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

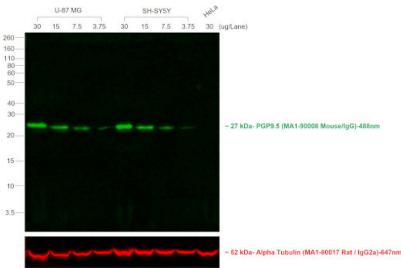
Product Specific Information

No pipetting or dilutions required. Just tip and drip two drops per mL buffer to stain your cells.

This antibody shows minimum cross-reactivity to bovine, chicken, goat, guinea pig, hamster, horse, human, rabbit, rat, and sheep serum proteins. Like other ReadyProbes reagents, Alexa Fluor 488 Donkey anti-Mouse IgG Antibody comes in a convenient dropper bottle.

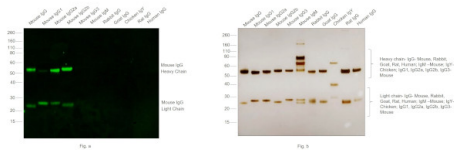
Mouse IgG (H+L) Secondary Antibody (R37114) in WB

Fluorescent western blot was performed using Donkey anti-Mouse IgG (H+L) ReadyProbes™ Secondary Antibody, Alexa Fluor™ 488 (Product # R37114). Whole cell extracts of U-87 MG (Lane 1, 2, 3, 4), SH-SY5Y (Lane 5, 6, 7, 8) and HeLa (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were transferred onto a Low-Fluorescence PVDF Transfer Membranes, 0.2 m 7 x 8.4 cm (Product # 22860) by iBlot® 2 Dry Blotting System (Product # IB21001) and blocked using Blocker™ FL Fluorescent Blocking Buffer (10X) (Product # 37565). The blot was probed with PGP9.5 Monoclonal Antibody (13C4) (Product # MA1-90008), and alpha Tubulin Monoclonal Antibody (YL1/2) (Product # MA1-80017). Secondary antibodies (Product # R37114, 1:5000 dilution), and (Product # A48272, 1:10,000 dilution) were used for detection of PGP9.5, and alpha tubulin respectively. Fluorescent detection was performed using iBright™ FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # R37114) specifically detects the mouse primary antibody.



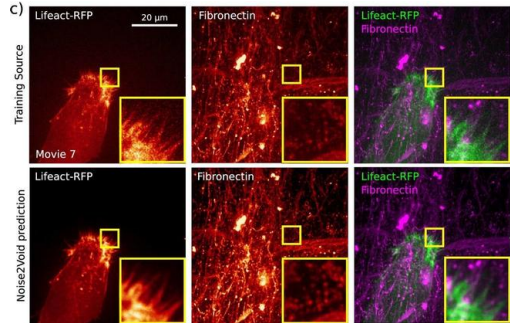
Mouse IgG (H+L) Secondary Antibody (R37114)

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 Chain and Light Chain were observed in Mouse IgG, Mouse IgG1, Mouse IgG2a and Mouse IgG2b but not in other species using Donkey anti-Mouse IgG (H+L) ReadyProbes™ Secondary Antibody, Alexa Fluor™ 488 (Product # R37114) in Western Blot. {RE}



Mouse IgG (H+L) Secondary Antibody (R37114) in ICC/IF

Image denoising and restoration networks (CARE and Noise2Void). Example of data generated using ZeroCostDL4Mic CARE and Noise2Void notebooks. a, b A 3D CARE network was trained using SIM images of the actin cytoskeleton of DCIS.COM cells using fixed samples (a) to denoise live-cell imaging data (b). Quality control metrics are as follows: mSSIM: 0.74, PSNR: 26.9 and NRMSE: 0.15. c Fixed samples were imaged using SIM to obtain low signal-to-noise images (lifact-RFP, Training Source) and matching high signal-to-noise (Phalloidin staining, Training Target) images, and this paired dataset was used to train CARE. Input, ground truth and a CARE prediction are displayed (both single Z plane and maximal projections). The QC metrics values computed directly in the CARE notebook are indicated. b The network trained in (a) was then used to restore live-cell imaging data (Supplementary Movie 6). The low SNR image (input) and the associated CARE predictions are displayed (single plane). c Movie of an ovarian carcinoma cell labelled with lifect-RFP migrating on cell-derived matrices (labelled for fibronectin) denoised using Noise2Void. Both training source and Noise2Void predictions are displayed (Supplementary Movie 7). For each channel, a single Z stack (time point) was used to train noise2Void, and the resulting model was applied to the rest of the movie. d Movie of a glioma cell endogenously labelled for paxillin-GFP, migrating on 9... Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33859193>), licensed under a CC BY license.



View more figures on thermofisher.com

200 References

Inhibitor of Wnt receptor 1 suppresses the effects of Wnt1, Wnt3a and catenin on the proliferation and migration of C6 GSCs induced by lowdose radiation. *Oncol Rep* (2024)

Dopamine neuron degeneration in the Ventral Tegmental Area causes hippocampal hyperexcitability in experimental Alzheimer's Disease. *Mol Psychiatry* (2024)

Targeting IL-17A enhances imatinib efficacy in Philadelphia chromosome-positive B-cell acute lymphoblastic leukemia. *Nat Commun* (2024)

Ganglioside GD3 regulates neural stem cell quiescence and controls postnatal neurogenesis. *Glia* (2024)

Tobacco toxins induce osteoporosis through ferroptosis. *Redox Biol* (2023)

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.