Goat anti-Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568

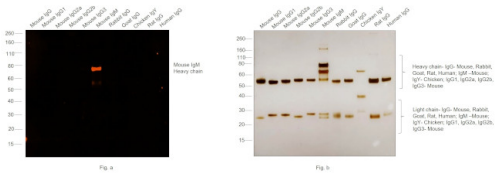
Product Details	
Size	500 µg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 568
Excitation/Emission Max	579/603 nm
Immunogen	Mouse Mu immunoglobulin
Form	liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4° C, store in dark
RRID	AB_2535712

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:10,000	-
Immunohistochemistry (IHC)	1-10 µg/mL	0 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	0 Publication
Immunocytochemistry (ICC/IF)	1:1,000-1:2,000	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

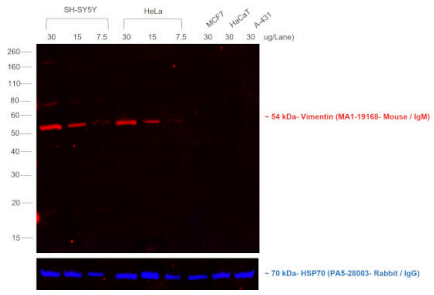
Product Specific Information

Product will be shipped at Room Temperature.

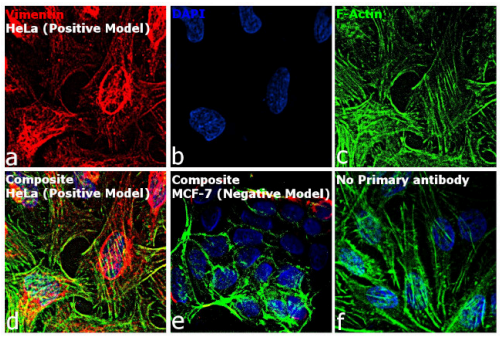
Product Images For Goat anti-Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568



Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody (A-21043)
Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Mouse IgM. A band at ~78 kDa corresponding to Mouse IgM Heavy Chain was observed in Mouse IgM but not in other species using Goat anti-Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568 (Product # A-21043) in Western Blot. {RE}



Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody (A-21043) in WB
Fluorescent western blot was performed using Goat anti-Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody, Alexa Fluor 568 (Product # A-21043). Whole cell extracts of SH-SY5Y (Lane 1, 2, 3), HeLa (Lane 4, 5, 6), MCF7 (Lane 7), HaCaT (Lane 8), and A-431 (Lane 9) were electrophoresed usingNuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03221BOX). Resolved proteins were transferred onto anitrocellulose membrane (Product # IB23001) byiBlot® 2 Dry BlottingSystem (Product # IB21001). The blot was probed with Vimentin Monoclonal Antibody (VI-01) (Product # MA1-19168), and HSP70 Polyclonal Antibody (Product # PA5-28003). Secondary antibodies (Product # A-21043, 1:3000), and (Product # A32808, 1:20,000) were used for detection of Vimentin, and HSP70 respectively. Fluorescent detection was performed usingiBright™FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # A-21043) specifically detects the mouse primary antibody.



Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody (A-21043) in ICC/IF
Immunofluorescence analysis of Goat anti-Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody, Alexa Fluor 568 (Product # A-21043) was performed using HeLa (positive model) and MCF-7 (negative model) cells stained with Vimentin Monoclonal Antibody (VI-01) (Product # MA1-19168). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 2% BSA for 1 hour and labeled with 5 mg/mL of primary antibody overnight at 4C. Goat anti-Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody, Alexa Fluor 568 (Product # A-21043, 1:2000) in 0.1% BSA in PBS for 1 hour at room temperature, was used for detection of Vimentin in the cytoskeleton (Panel a: Red). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:500) (Panel c: green). Panel d represents the composite image. The specificity of the secondary antibody was proved by the little or no signal in MCF-7 due to little or no primary antibody binding (Panel e). Non-specific staining was not observed with secondary antibody alone (panel f). The images were captured at 60X magnification.

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80 References

mtFociCounter for automated single-cell mitochondrial nucleoid quantification and reproducible foci analysis. Nucleic Acids Res (2023)

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