

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

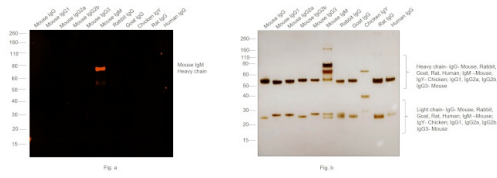
| Product Details         |                         |
|-------------------------|-------------------------|
| Size                    | 500 µg                  |
| Species Reactivity      | Mouse                   |
| Host/Isotype            | Goat / IgG              |
| Class                   | Polyclonal              |
| 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**



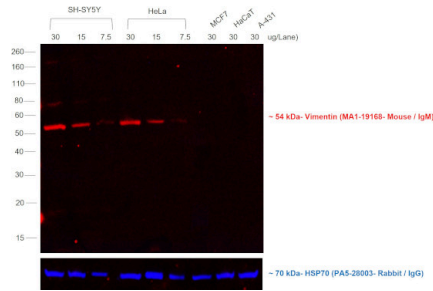
**Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody (A-21043)**

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**

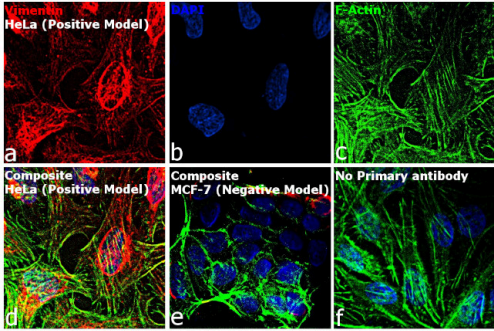
Fluorescent western blot was performed using Goat anti-Mouse IgM (Heavy chain) Cross-Adsorbed Secondary Antibody, Alexa Fluor 568 (Product # A-21043). Whole cell extracts of SH-SY5Y (Lane 1, 2, 3), HeLa (Lane 4, 5, 6), MCF7 (Lane 7), HaCaT (Lane 8), and A-431 (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03221BOX).

Resolved proteins were transferred onto nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (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 using iBright™ 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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mtFociCounter for automated single-cell mitochondrial nucleoid quantification and reproducible foci analysis. *Nucleic Acids Res* (2023)

Ribonucleotide synthesis by NME6 fuels mitochondrial gene expression. *EMBO J* (2023)

Chondroitin sulfate is required for follicle epithelial integrity and organ shape maintenance in *Drosophila*. *Development* (2023)

The vascular gene *Apold1* is dispensable for normal development but controls angiogenesis under pathological conditions. *Angiogenesis* (2023)

Metformin Improves Functional Outcomes, Activates Neural Precursor Cells, and Modulates Microglia in a Sex-Dependent Manner After Spinal Cord Injury. *Stem Cells Transl Med* (2023)

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