

Alexa Fluor® 555 Mouse IgG1, κ Isotype Ctrl Antibody

Catalog# / Size	402453 / 100 µg
Clone	MOPC-21
Regulatory Status	RUO
Isotype	Mouse IgG1, κ
Description	The MOPC-21 immunoglobulin has unknown specificity. The isotype of this antibody is mouse IgG1, κ. This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.

Product Details

Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 555 under optimal conditions.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICC - Quality tested IHC-P - Verified
Recommended Usage	Each lot of this antibody is quality control tested by immunocytochemistry as negative control. Use at concentrations comparable to those of the specific antibody of interest. Use our Certificate of Analysis online tool to find the exact concentrations of your lots of product. * Alexa Fluor® 555 has an excitation maximum of 555 nm, and a maximum emission of 565 nm. Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation. View full statement regarding label licenses
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Additional reported applications (for the relevant formats) include: Intracellular Flow Cytometry (ICFC), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blotting (WB), Functional Assay (FA)
Additional Product Notes	For use in immunohistochemistry on formalin-fixed paraffin-embedded tissue (IHC-P), it is recommended to perform antigen retrieval using either Citrate Buffer, 10X (Cat. No. 420902) or Tris-EDTA pH 9.0 Antigen Retrieval Buffer (10X) (Cat. No. 422704). For use in immunocytochemistry (ICC), it is recommended to fix/permeabilize with either of the following: -Fixation buffer (Cat. No. 420801) with 0.5 % Triton X-100 -Fixation buffer (Cat. No. 420801) with 100% ice-cold methanol -100% ice-cold methanol only

Application References

(PubMed link indicates
BioLegend citation)

1. Carlsen M, *et al.* 2007. *Cancer Res.* 67:1317. [PubMed](#)
2. Smed-Sørensen A, *et al.* 2008. *Blood* 111:5037. [PubMed](#) (FA)
3. Bunesmann MM, *et al.* 2011. *Am. J. Respir. Cell. Mol. Biol.* Epub. [PubMed](#)
4. Matsuyama T, *et al.* 2005. *Infect. Immun.* 73:1044. (IF)
5. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) [PubMed](#)
6. Lian IA, *et al.* 2011. *Placenta.* 32:823. [PubMed](#)
7. Bufe B, *et al.* 20015. *J Biol Chem.* 290:7369. [PubMed](#)

RRID

AB_3720602 (BioLegend Cat. No. 402453)

Antigen Details

Gene ID

NA

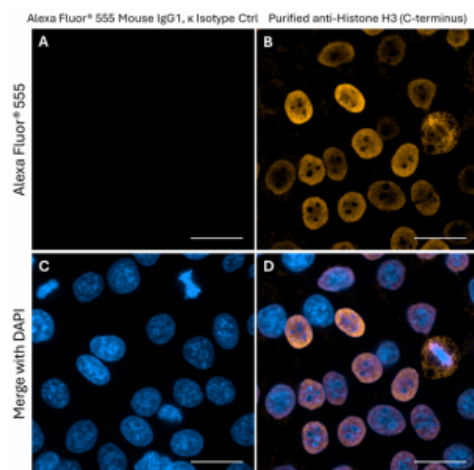
Related Protocols

- [Immunocytochemistry Staining for Methanol Fixed Cells](#)
- [Immunocytochemistry Staining Protocol](#)
- [Immunohistochemistry Protocol for Paraffin-Embedded Sections](#)

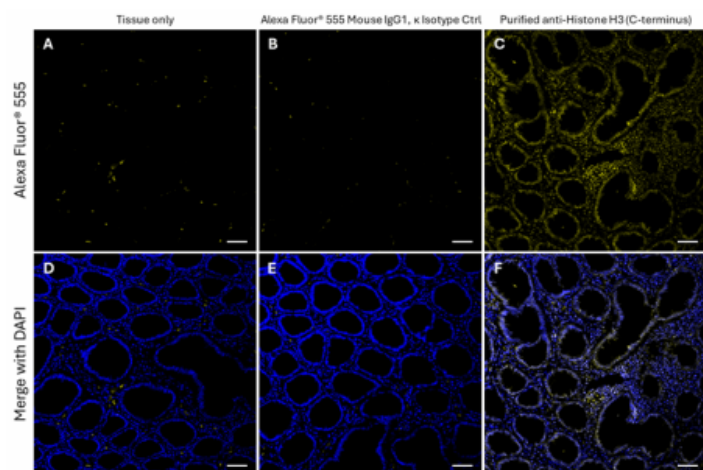
Other Formats

Spark Violet™ 538 Mouse IgG1, κ isotype Ctrl, Spark YG™ 581 Mouse IgG1, κ Isotype Ctrl, Spark YG™ 593 Mouse IgG1, κ Isotype Ctrl, GMP FITC Mouse IgG1, κ Isotype Ctrl, GMP PE/Dazzle™ 594 Mouse IgG1, κ Isotype Ctrl, GMP PE Mouse IgG1, κ Isotype Ctrl, GMP APC Mouse IgG1, κ Isotype Ctrl, GMP PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Ctrl, PE/Fire™ 810 Mouse IgG1, κ Isotype Ctrl, Spark YG™ 570 Mouse IgG1, κ Isotype Ctrl, TotalSeq™-Bn0090 Mouse IgG1, κ Isotype Ctrl, Spark Blue™ 574 Mouse IgG1, κ Isotype Ctrl, PerCP/Fire™ 806 Mouse IgG1, κ Isotype Ctrl, Alexa Fluor® 660 Mouse IgG1, κ Isotype Ctrl, Spark PLUS UV395™ Mouse IgG1, κ Isotype Ctrl, PE/Fire™ 744 Mouse IgG1, κ Isotype Ctrl, Alexa Fluor® 594 Mouse IgG1, κ Isotype Ctrl, Spark UV™ 387 Mouse IgG1, κ Isotype Ctrl, Spark Red™ 718 Mouse IgG1, κ Isotype Ctrl, Spark Violet™ 423 Mouse IgG1, κ Isotype Ctrl, GMP Pacific Blue™ Mouse IgG1, κ Isotype Ctrl, GMP PE/Cyanine7 Mouse IgG1, κ Isotype Ctrl, GMP APC/Fire™ 750 Mouse IgG1, κ Isotype Ctrl, Alexa Fluor® 700 Mouse IgG1, κ Isotype Ctrl (ICFC), Purified Mouse IgG1, κ Isotype Ctrl, GolnVivo™ Purified Mouse IgG1, κ Isotype Ctrl, PE/Cyanine5 Mouse IgG1, κ Isotype Ctrl, FITC Mouse IgG1, κ Isotype Ctrl, APC/Fire™ 750 Mouse IgG1, κ Isotype Ctrl, APC Mouse IgG1, κ Isotype Ctrl, Biotin Mouse IgG1, κ Isotype Ctrl, PE/Cyanine7 Mouse IgG1, κ Isotype Ctrl, PE Mouse IgG1, κ Isotype Ctrl, PE/Dazzle™ 594 Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 570™ Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 605™ Mouse IgG1, κ Isotype Ctrl, Ultra-LEAF™ Purified Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 510™ Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 421™ Mouse IgG1, κ Isotype Ctrl, Spark Violet™ 500 Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 650™ Mouse IgG1, κ Isotype Ctrl, Spark Blue™ 515 Mouse IgG1, κ Isotype Ctrl, PerCP/Fire™ 780 Mouse IgG1, κ Isotype Ctrl, Alexa Fluor® 647 Mouse IgG1, κ Isotype Ctrl (FC), TotalSeq™-C1471 Mouse IgG1, κ Isotype Ctrl Antibody, Alexa Fluor® 555 Mouse IgG1, κ Isotype Ctrl, Spark PLUS B488™ Mouse IgG1, κ Isotype Ctrl, APC Mouse IgG1, κ Isotype Ctrl (ICFC), APC Mouse IgG1, κ Isotype Ctrl (FC), PE Mouse IgG1, κ Isotype Ctrl (FC), FITC Mouse IgG1, κ Isotype Ctrl (FC), Alexa Fluor® 488 Mouse IgG1, κ Isotype Ctrl (ICFC), FITC Mouse IgG1, κ Isotype Ctrl (ICFC), PE Mouse IgG1, κ Isotype Ctrl, PerCP Mouse IgG1, κ Isotype Ctrl, PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Ctrl, Pacific Blue™ Mouse IgG1, κ Isotype Ctrl, APC/Cyanine7 Mouse IgG1, κ Isotype Ctrl, APC/Fire™ 810 Mouse IgG1, κ Isotype Ctrl, PE/Fire™ 640 Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 711™ Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 785™ Mouse IgG1, κ Isotype Ctrl, TotalSeq™-B1471 Mouse IgG1, κ Isotype Ctrl, Spark PLUS B550™ Mouse IgG1, κ Isotype Ctrl, Alexa Fluor® 488 Mouse IgG1, κ Isotype Ctrl (FC), Alexa Fluor® 647 Mouse IgG1, κ Isotype Ctrl (ICFC), PE Mouse IgG1, κ Isotype Ctrl (ICFC), TotalSeq™-A0090 Mouse IgG1, κ isotype Ctrl, TotalSeq™-C0090 Mouse IgG1, κ isotype Ctrl, PE/Fire™ 700 Mouse IgG1, κ isotype Ctrl, Alexa Fluor® 700 Mouse IgG1, κ Isotype Ctrl, Brilliant Violet 750™ Mouse IgG1, κ isotype Ctrl, TotalSeq™-B0090 Mouse IgG1, κ isotype Ctrl, KIRAVIA Blue 520™ Mouse IgG1, κ Isotype Ctrl, Spark NIR™ 685 Mouse IgG1, κ Isotype Ctrl, Spark Blue™ 550 Mouse IgG1, κ Isotype Ctrl

Product Data



HeLa cells were fixed with Fixation Buffer (Cat. No. 420801) for 10 minutes, permeabilized with 100% ice-cold methanol for 10 minutes, and blocked with 5% FBS for 1 hour at room temperature. Cells were stained with Alexa Fluor® 555 Mouse IgG1, κ Isotype Ctrl (clone MOPC-21) only (panel A) or Purified anti-Histone H3 (C-terminus) Recombinant (Cat. No. 646852), followed by incubation with Alexa Fluor® 555 Goat anti-mouse IgG (Cat. No. 405324). Nuclei were counterstained with DAPI (Cat. No. 422801). The images were captured on a Revvity Operetta CLS™ High Content Analysis System with a 63X objective and merged (panels C and D). Scale bar: 25 μm



IHC staining of Alexa Fluor® 555 Mouse IgG1, κ Isotype Ctrl (clone MOPC-21) on formalin-fixed paraffin-embedded human colon tissue. Following antigen retrieval using 1X Tris-EDTA pH 9.0 Antigen Retrieval Buffer (Cat. No. 422704), the tissue was incubated without (panel A) or with (panel B) Alexa Fluor® 555 Mouse IgG1, κ Isotype Ctrl (clone MOPC-21), or Purified anti-Histone H3 (C-terminus) (Cat. No. 646852) followed by incubation with Alexa Fluor® 555 Goat anti-mouse IgG (Cat. No. 405324) (panel C). Nuclei were counterstained with DAPI (Cat. No. 422801). Images were captured with a 10X objective and merged (panels D, E, and F). Scale bar: 50 μm

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