Product Datasheet

alpha Tubulin Antibody (DM1A) [Alexa Fluor® 488]
NB100-690AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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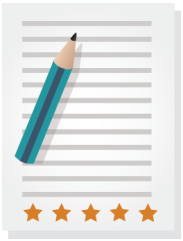
Updated 10/23/2024 v.20.1



NB100-690AF488

alpha Tubulin Antibody (DM1A) [Alexa Fluor® 488]

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	DM1A
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 488
Purity	Protein G purified
Buffer	50mM Sodium Borate

Product Description

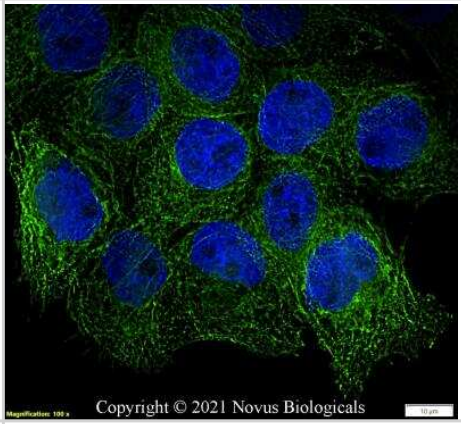
Host	Mouse
Gene ID	7846
Gene Symbol	TUBA1A
Species	Human, Mouse, Rat, Porcine, Avian, Bovine, Canine, Chicken, Chinese Hamster, Drosophila, Fungi, Guinea Pig, Goat, Hamster, Parasite, Monkey, Primate, Rabbit, Xenopus, Yeast
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:34871568) Use in Mouse reported in scientific literature (PMID:34533563). Yeast reactivity reported in scientific literature (PMID: 25126732). Goat reactivity reported in scientific literature (PMID:31805146). Will likely react with all mammals.
Marker	Microtubule Marker
Specificity/Sensitivity	This alpha Tubulin Antibody (DM1A) does not cross-react with beta Tubulin.
Immunogen	This alpha Tubulin Antibody (DM1A) was developed against native chicken brain microtubules.
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details

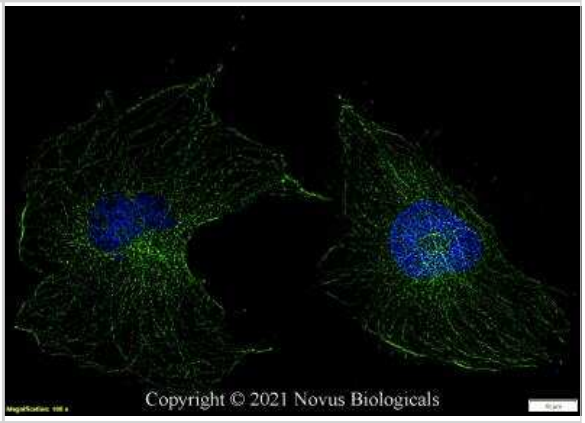
Applications	Western Blot, Simple Western, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunomicroscopy, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunomicroscopy, Flow (Intracellular), CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

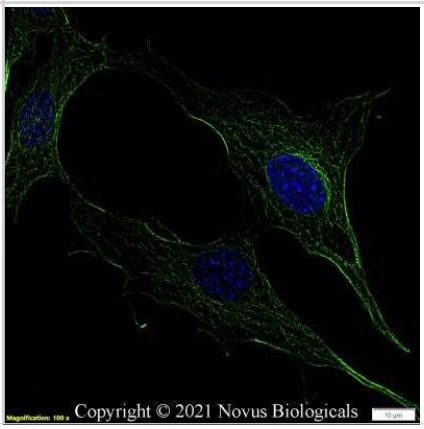
Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (DM1A) [Alexa Fluor® 488] [NB100-690AF488] - A431 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-alpha Tubulin Antibody [DM1A] conjugated to Alexa Fluor 488 (NB100-690AF488) at 5 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



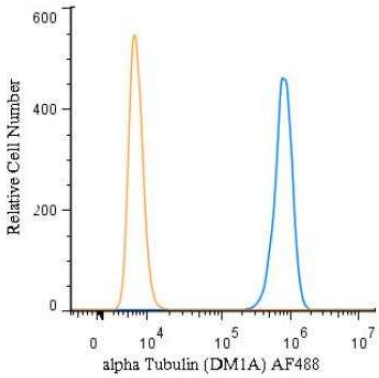
Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (DM1A) [Alexa Fluor® 488] [NB100-690AF488] - U-251 MG cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-alpha Tubulin Antibody [DM1A] conjugated to Alexa Fluor 488 (NB100-690AF488) at 5 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



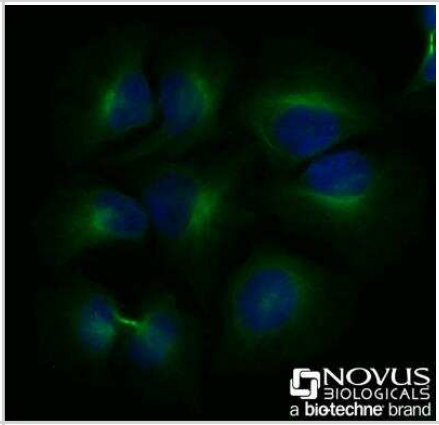
Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (DM1A) [Alexa Fluor® 488] [NB100-690AF488] - NIH3T3 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-alpha Tubulin Antibody [DM1A] conjugated to Alexa Fluor 488 (NB100-690AF488) at 5 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



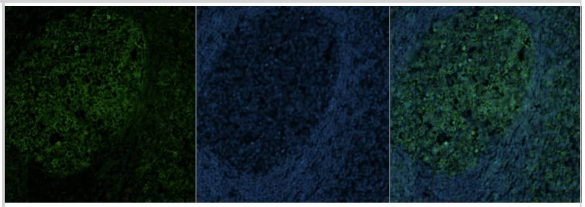
Flow (Intracellular): alpha Tubulin Antibody (DM1A) [Alexa Fluor 488] [NB100-690AF488] - An intracellular stain was performed on HeLa cells with alpha Tubulin Antibody (DM1A) NB100-690AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (DM1A) [Alexa Fluor 488] [NB100-690AF488] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with anti-alpha Tubulin [DM1A] conjugated to Alexa Fluor 488 [NB100-690AF488] at 2ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry-Paraffin: Mouse Monoclonal alpha Tubulin Antibody (DM1A) [Alexa Fluor® 488] [NB100-690AF488] - Immunofluorescence staining of human tonsil FFPE tissue in a dilution of 1:50 in 3% BSA with overnight incubation at 4°C. Heat mediated antigen retrieval at pH 9. Image from a verified customer review.



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Products Related to NB100-690AF488

IC002G	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 488]
NB100-690AF647	alpha Tubulin Antibody (DM1A) [Alexa Fluor® 647]
H00007846-Q01-10ug	Recombinant Human alpha Tubulin GST (N-Term) Protein
DPLG70	PLA2G7/PAF-AH/Lp-PLA2 [HRP]

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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