Product Datasheet

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

Unit Size: 0.1 ml
Store at 4°C in the dark.

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Updated 12/16/2018 v.20.1

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

### Product Information

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

### 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, Hamster, Monkey, Parasite, Primate, Rabbit, Xenopus, Yeast

**Reactivity Notes**  
Human, mouse, rat, porcine, bovine, canine, chicken, guinea pig, Chinese hamster, monkey, avian, rabbit, Drosophila fungi and Xenopus. Yeast reactivity reported in scientific literature (PMID: 25126732). Will likely react with all mammals.

**Marker**  
Microtubule Marker

**Specificity/Sensitivity**  
Does not cross-react with beta Tubulin.

**Immunogen**  
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, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin

Recommended Dilutions

Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Flow (Intracellular)

Application Notes

This alpha Tubulin Antibody (DM1A) is useful for Western blot, Immunoprecipitation, Immunohistochemistry on paraffin-embedded and frozen sections, Immunocytochemistry/Immunofluorescence and Flow Cytometry. NB100-690 is ideal for use as a Western blot loading control, where a band can be seen around 50-55 kDa and as a cytoskeletal marker in ICC. For IHC-Paraffin, antigen retrieval is not essential, but may optimize staining. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

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.

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 permeabilized 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.
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-690AF488

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Products Related to NB100-690AF488

<table>
<thead>
<tr>
<th>Product Code</th>
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<tbody>
<tr>
<td>IC002G</td>
<td>Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 488]</td>
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<td>NB100-690AF647</td>
<td>alpha Tubulin Antibody (DM1A) [Alexa Fluor® 647]</td>
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<td>H00007846-P01-2ug</td>
<td>Recombinant Human alpha Tubulin Protein</td>
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<tr>
<td>H00007846-Q01-10ug</td>
<td>Recombinant Human alpha Tubulin Protein</td>
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