

Product Datasheet

Cytokeratin, pan Antibody (C-11) [Alexa Fluor® 488] NBP1-48348AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP1-48348AF488

Cytokeratin, pan Antibody (C-11) [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	C-11
Preservative	0.05% Sodium Azide
Isotype	IgG1
Conjugate	Alexa Fluor 488
Purity	Protein A purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	3848
Gene Symbol	KRT1
Species	Mouse, Mammal
Reactivity Notes	Mouse reactivity reported in (PMID:26574781). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This Mouse monoclonal Cytokeratin (Pan-reactive) antibody reacts with Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18. Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
Immunogen	This Cytokeratin, pan Antibody (C-11) was developed against a keratin-enriched preparation from human epidermoid carcinoma cell line A431.

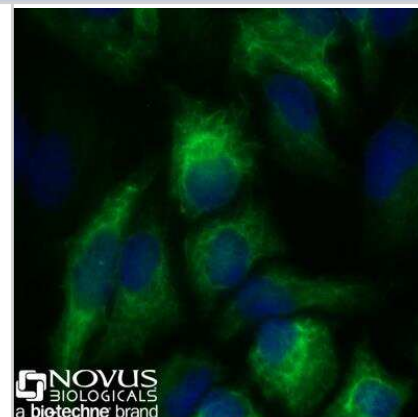


Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether 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.
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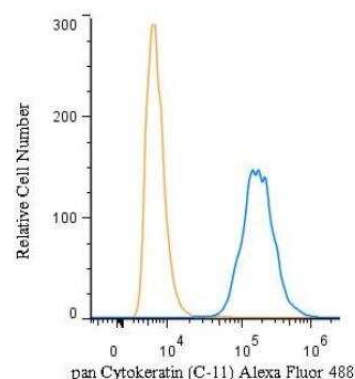
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Flow (Intracellular), CyTOF-ready

Images

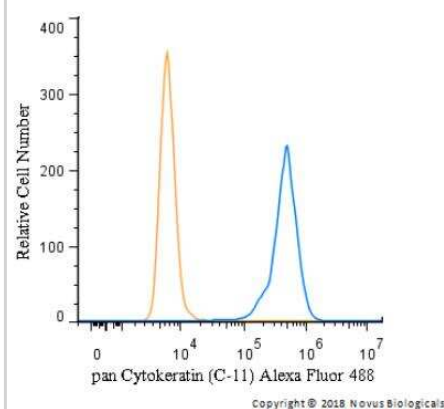
Immunocytochemistry/Immunofluorescence: Cytokeratin, pan Antibody (C-11) [Alexa Fluor® 488] [NBP1-48348AF488] - pan Cytokeratin Antibody (C-11) [Alexa Fluor 488] [NBP1-48348AF488] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-pan Cytokeratin (C-11) conjugated to Alexa Fluor 488 [NBP2-33134AF488] at 10ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



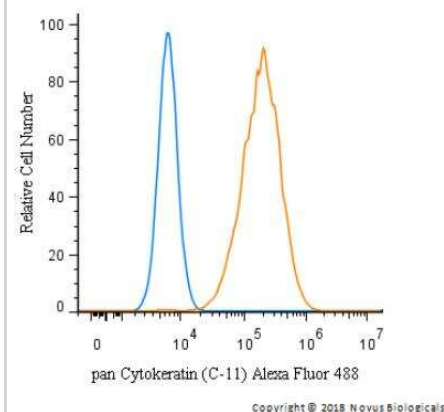
Flow Cytometry: Cytokeratin, pan Antibody (C-11) [Alexa Fluor® 488] [NBP1-48348AF488] - An intracellular stain was performed on HepG2 cells with pan Cytokeratin Antibody (C-11) NBP1-48348F488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



Flow Cytometry: pan Cytokeratin Antibody (C-11) [Alexa Fluor 488] [NBP1-48348AF488] - An intracellular stain was performed on A549 cells with pan Cytokeratin Antibody (C-11) NBP1-48348F488 (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.



Flow Cytometry: pan Cytokeratin Antibody (C-11) [Alexa Fluor® 488] [NBP1-48348AF488] - An intracellular stain was performed on HeLa cells with pan Cytokeratin antibody (C-11) NBP1-48348AF488 (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.



Publications

Viveiros MMH, Zucoloto LH, Shiguematsu ÁI et Al. Comparison of techniques for corneal epithelium cell culture for the collection of conditioned medium Arq Bras Oftalmol 2024-04-03 [PMID: 38655938]

Papadaki MA, Mala A, Merodoulaki AC Et al. Investigating the Role of CTCs with Stem/EMT-like Features in Metastatic Breast Cancer Patients Treated with Eribulin Mesylate Cancers (Basel) 2022-08-26 [PMID: 36010896] (ICC/IF, Human)

Details:

Citation using the Alexa Fluor 488 version of this antibody.





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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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