Product Datasheet

VECTASHIELD(R) Antifade Mounting Medium with DAPI H-1200-NB

Unit Size: 10 ml

Store at 4C in the dark.

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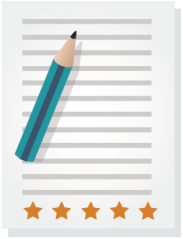
Reviews: 1 Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H-1200-NB

Updated 10/23/2024 v.20.1



H-1200-NB

VECTASHIELD(R) Antifade Mounting Medium with DAPI

Product Information

Unit Size	10 ml
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C in the dark.

Product Description

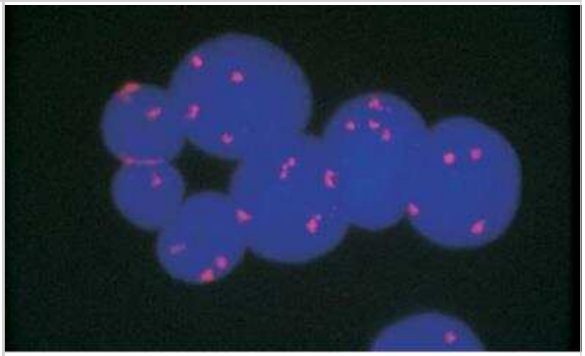
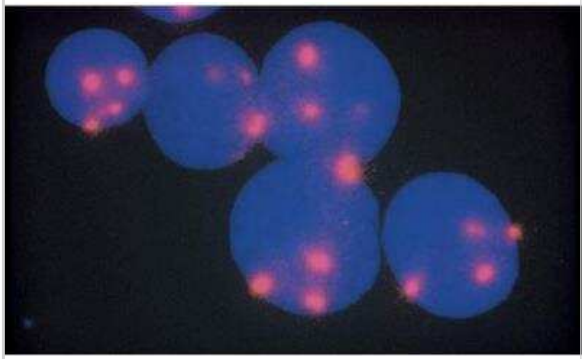
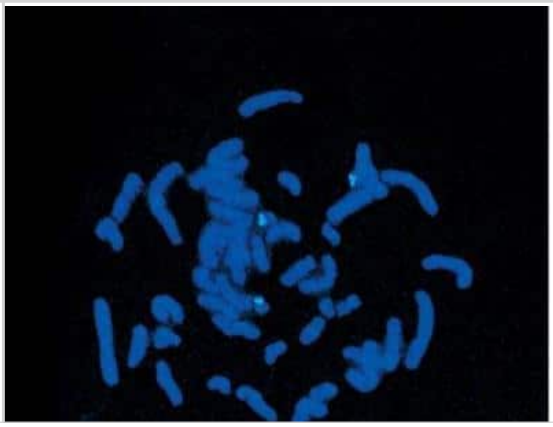
Description	VECTASHIELD Antifade Mounting Medium is a unique, stable formula for preserving fluorescence. VECTASHIELD Mounting Medium prevents rapid photobleaching of fluorescent proteins and fluorescent dyes. **Features:** Inhibits photobleaching of fluorescent dyes and fluorescent proteins Ideal refractive index (1.45) Ready-to-use No warming necessary Can be stored without sealing for long term analysis Non-hardening formulation No counterstain The original VECTASHIELD Mounting Medium does not solidify, but remains a liquid on the slide and can be stored without sealing. If desired, coverslips can be sealed around the perimeter with nail polish or a plastic sealant. Mounted slides should be stored at 4C, protected from light. VECTASHIELD Mounting Media are compatible with a wide array of fluorochromes, enzymatic substrates, and fluorescent proteins. The original VECTASHIELD Mounting Medium does not solidify, but remains a liquid on the slide and can be stored without sealing. If desired, coverslips can be sealed around the perimeter with nail polish or a plastic sealant. Mounted slides should be stored at 4 degrees C, protected from light. VECTASHIELD Mounting Media are compatible with a wide array of fluorochromes, enzymatic substrates, and fluorescent proteins. Both the VECTASHIELD HardSet and the original VECTASHIELD Mounting Media are available with or without the counterstain DAPI (4,6-diamidino-2-phenylindole). The DAPI concentration can be modified by mixing with the corresponding VECTASHIELD Mounting Medium without DAPI. DAPI produces a blue fluorescence when bound to DNA with excitation at about 360 nm and emission at 460 nm.
Notes	This product is manufactured by Vector Laboratories and distributed by Novus Biologicals.

Product Application Details

Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In-situ Hybridization, Cellular Imaging
Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen, In-situ Hybridization, Cellular Imaging

Application Notes	The refractive index for VECTASHIELD Mounting Medium is 1.45. Use in IHC-Fr reported in scientific publication (PMID: 32452384).

Images

In-situ Hybridization: VECTASHIELD(R) Antifade Mounting Medium with DAPI [H-1200-NB] - FastTag Biotin-labeled pUC1.77 detected with Texas Red Avidin DCS, Biotinylated Anti-Avidin and Texas Red Avidin DCS, and counterstained with VECTASHIELD with DAPI.	
In-situ Hybridization: VECTASHIELD(R) Antifade Mounting Medium with DAPI [H-1200-NB] - FastTag FL-labeled pUC1.77 on interphase nuclei detected with Alkaline Phosphatase Anti-Fluorescein followed by Vector Red Substrate. Mounted in VECTASHIELD Mounting Media with DAPI.	
In-situ Hybridization: VECTASHIELD(R) Antifade Mounting Medium with DAPI [H-1200-NB] - Single copy DNA probe to the Downs region of chromosome 21 using FITC-labeled antibody (green) and mounted in VECTASHIELD Mounting Medium with DAPI (blue) - Photo courtesy of Cytocell Ltd.	

Publications

Maria Consiglia Trotta, Annalisa Itro, Caterina Claudia Lepre, Marina Russo, Francesca Guida, Antimo Moretti, Adriano Braile, Umberto Tarantino, Michele D'Amico, Giuseppe Toro Effects of adipose-derived mesenchymal stem cell conditioned medium on human tenocytes exposed to high glucose Therapeutic Advances in Musculoskeletal Disease 2024-01-08 [PMID: 38204801]

Widen JC, Tholen M, Yim JJ et al. AND-gate contrast agents for enhanced fluorescence-guided surgery Nature Biomedical Engineering 2020-09-28 [PMID: 32989286]

Trotta MC, Petrillo F, Gesualdo C et al. Effects of the Calix[4]arene Derivative Compound OTX008 on High Glucose-Stimulated ARPE-19 Cells: Focus on Galectin-1/TGF-beta/EMT Pathway Molecules (Basel, Switzerland) 2022-07-26 [PMID: 35897964]

Thiha P, Higashihori N, Kano S, Moriyama K Histone methyltransferase SET domain bifurcated 1 negatively regulates parathyroid hormone/parathyroid hormone-related peptide receptor to control chondrocyte proliferation in Meckel's cartilage Archives of Oral Biology 2021-08-01 [PMID: 34521010]

BBLT L, Nabatanzi R, Mausser E et al. Diversity of Vaginal Microbiota Affects Epithelial Barrier Permeability Among African Pregnant Women Research Square 2021-02-22

Weir K, Dupre C, van Giesen L et al. A molecular filter for the cnidarian stinging response Elife 2020-05-26 [PMID: 32452384] (IF/IHC, Invertebrate)

Perl AL, O'Connor CM, Fa P et al. Protein phosphatase 2A controls ongoing DNA replication by binding to and regulating cell division cycle 45 (CDC45) J. Biol. Chem. [PMID: 31562245] (ICC/IF)

Han J, Robinet P, Ritchey B et al. Confirmation of Ath26 locus on chromosome 17 and identification of Cyp4f13 as an atherosclerosis modifying gene Atherosclerosis 2019-05-09 [PMID: 31102955]

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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