

# Product Datasheet

## VECTASHIELD(R) HardSet(TM) Antifade Mounting Medium H-1400-NB

Unit Size: 10 ml

Store at 4C in the dark.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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Updated 10/23/2024 v.20.1

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**H-1400-NB****VECTASHIELD(R) HardSet(TM) Antifade Mounting Medium**

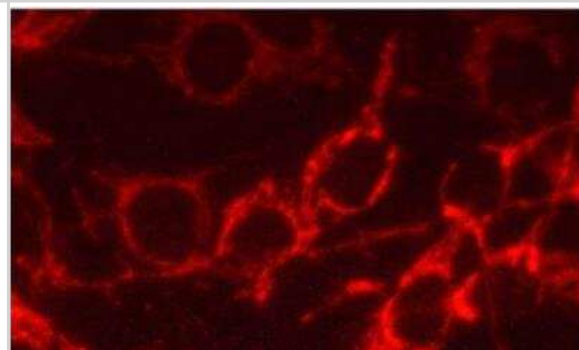
<b>Product Information</b>	
<b>Unit Size</b>	10 ml
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at 4C in the dark.

<b>Product Description</b>	
<b>Description</b>	<p>VECTASHIELD Antifade Mounting Medium is a unique, stable formula for preserving fluorescence. VECTASHIELD Mounting Medium prevents rapid photobleaching of fluorescent proteins and fluorescent dyes.</p> <p>VECTASHIELD HardSet Mounting Medium preserves fluorescence and hardens after coverslipping. After approximately 15 minutes at room temperature, the coverslip will become immobilized, and optimal antifade ability and refractive index will be achieved. VECTASHIELD Mounting Media are compatible with a wide array of fluorochromes, enzymatic substrates, and fluorescent proteins.</p> <p><b>Features:</b>            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            Hardening formulation            No counterstain</p>
<b>Notes</b>	This product is manufactured by Vector Laboratories and distributed by Novus Biologicals.

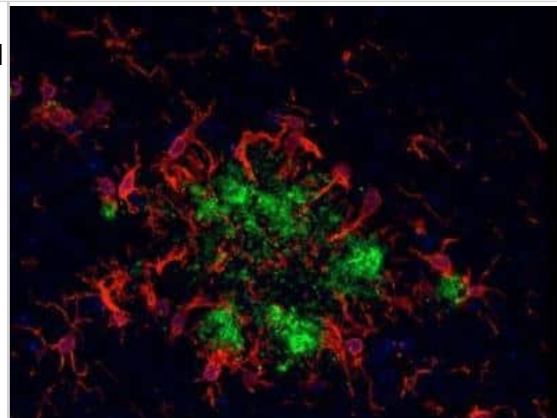
<b>Product Application Details</b>	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, In-situ Hybridization, Cellular Imaging, Super-Resolution Microscopy
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, In-situ Hybridization, Cellular Imaging, Super-Resolution Microscopy
<b>Application Notes</b>	Refractive index is 1.46.

**Images**

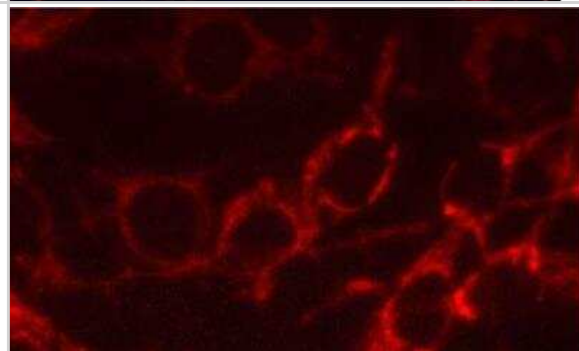
Immunocytochemistry/Immunofluorescence: VECTASHIELD(R) HardSet (TM) Antifade Mounting Medium [H-1400-NB] - VECTASHIELD(R) Hardset(TM) Antifade Mounting Medium [H-1400-NB] - C6 rat glioma cells: Antibody to mitochondria localized with Alexa Fluor 555 labeled secondary antibody. Mounted in VECTASHIELD HardSet Mounting Medium. Image provided courtesy of Chandler Fulton and Jennifer Stella, Department of Biology, Brandeis University.



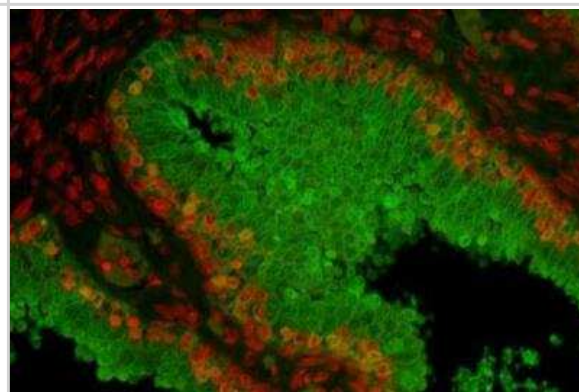
Immunohistochemistry: VECTASHIELD(R) Hardset(TM) Antifade Mounting Medium [H-1400-NB] - Alzheimer's disease mouse brain model - double label: glial cells stained with Iba1 (rp) followed by DyLight 594 Goat Anti-Rabbit IgG (DI-1594); plaques stained with Biotinylated Mouse Anti-Human Amyloid Beta followed by DyLight 488 Streptavidin (SA-5488)



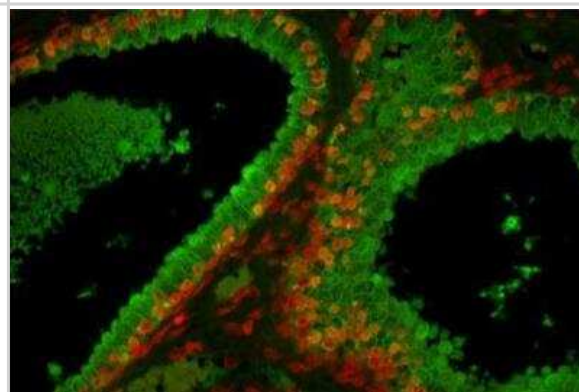
Immunocytochemistry/Immunofluorescence: VECTASHIELD(R) HardSet (TM) Antifade Mounting Medium [H-1400-NB] - VECTASHIELD(R) Hardset(TM) Antifade Mounting Medium [H-1400-NB] - C6 rat glioma cells: Antibody to mitochondria localized with Alexa Fluor 555 labeled secondary antibody. Mounted in VECTASHIELD HardSet Mounting Medium. Photo taken after 15 minutes of irradiation under mercury vapor light source.



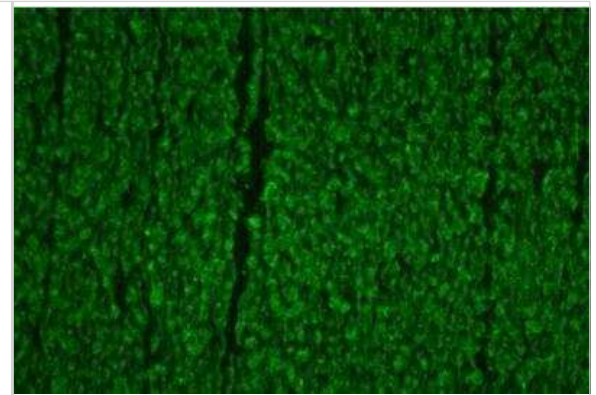
Immunohistochemistry: VECTASHIELD(R) Hardset(TM) Antifade Mounting Medium [H-1400-NB] - Prostate Specific Antigen (rp), fluorescein labeled using the ProtOn Fluorescein Labeling Kit. Propidium iodide counterstain (red). Mounted in VECTASHIELD HardSet Mounting Medium.



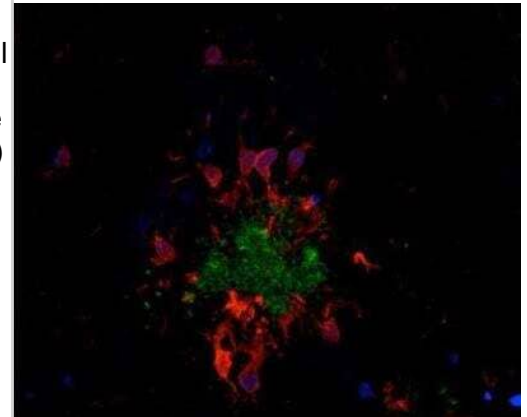
Immunohistochemistry: VECTASHIELD(R) Hardset(TM) Antifade Mounting Medium [H-1400-NB] - Prostate Specific Antigen (rp), fluorescein labeled using the ProtOn Fluorescein Labeling Kit. Propidium iodide counterstain (red). Mounted in VECTASHIELD HardSet Mounting Medium



Immunohistochemistry: VECTASHIELD(R) Hardset(TM) Antifade Mounting Medium [H-1400-NB] - Colon: Desmin (m), Biotinylated Horse anti-mouse IgG, Fluorescein Avidin DCS (green). Mounted in VECTASHIELD HardSet Mounting Medium.



Immunohistochemistry: VECTASHIELD(R) Hardset(TM) Antifade Mounting Medium [H-1400-NB] - Alzheimer's disease mouse brain model - double label: glial cells stained with Iba1 (rp) followed by DyLight 594 Goat Anti-Rabbit IgG (DI-1594); plaques stained with Biotinylated Mouse Anti-Human Amyloid Beta followed by DyLight 488 Streptavidin (SA-548)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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