

# Product Datasheet

## Blocking Buffer for Fluorescent Western Blot NBP3-23441

Unit Size: 50 ml

Store at 4C. Do not freeze.

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Updated 7/15/2023 v.20.1

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**NBP3-23441****Blocking Buffer for Fluorescent Western Blot**

<b>Product Information</b>	
<b>Unit Size</b>	50 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. Do not freeze.
<b>Preservative</b>	0.01% Gentamicin Sulfate
<b>Buffer</b>	Proprietary protein formulation in TRIS buffered saline at pH 7.6.
<b>Product Description</b>	
<b>Description</b>	Fluorescence technology is widely used to detect proteins. However, many common visible fluorophores often result in considerable background fluorescence in the visible range. Visible fluorophores are rarely used for membrane-based protein detection because of this high background. IRDye (TM)800, IRDye(TM)700DX, Alexa Fluor(R) 680 and Cy5.5(TM) antibody and reagent conjugates are specifically designed for protein detection methods that use longer-wavelength, near-infrared (IR) fluorophores to visualize proteins in western blotting and other applications. IRDye(TM)800 and IRDye(TM)700DX fluoresce outside the range of most autofluorescence and therefore specific signal is sharply evident from any background giving the best possible signal-to-noise ratio. Detection levels in the picogram range on Western blots rival the sensitivity of chemiluminescence on film. IRDye(TM)800 conjugates are also suitable for immunofluorescence microscopy using commercially available excitation/emission filters in the 780nm/820nm range. Dual simultaneous labeling in western blots or microscopy is achieved when IRDye(TM)800 conjugates are used in conjunction with IRDye(TM)700 or Cy5.5(TM) conjugates. IRDye(TM)800 and IRDye(TM)700DX conjugates provide an ultra-sensitive and convenient alternative to standard chemiluminescent protein detection methods, as well as a valuable tool for multicolor imaging. Once reacted with the membrane and dried, IRDye(TM)800 and IRDye(TM)700DX conjugated antibody-protein complexes are very stable, and membranes can be stored protected from light, re-washed and/or rescanned. This blocking buffer is specifically formulated to achieve superior reproducible western blotting images using this system.
<b>Specificity/Sensitivity</b>	Prepared using ultra pure reagents dissolved in pharmaceutical grade water (WFI) and consists of a proprietary protein formulation in TRIS buffered saline at pH 7.6.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	This buffer is a 10X concentration. Optimum performance is achieved using this product diluted 1:10 in deionized water.



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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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