

Product Datasheet

Blocking Buffer For Fluorescent Western Blotting (orb348640)

Description

Blocking Buffer For Fluorescent

Conjugation	Unconjugated
Tested Applications	WB
Preservatives	Thimerosal is added as an antimicrobial agent.
Form/Appearance	Liquid (sterile filtered)
Concentration	1x
Storage	Store vial at 4° C prior to opening. DO NOT FREEZE.
Note	For research use only
Application notes	<p>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. IRDye800, IRDye700DX, Alexa Fluor 680 and Cy5.5 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. IRDye800 and IRDye700DX 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. IRDye800 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 IRDye800 conjugates are used in conjunction with IRDye700 or Cy5.5</p>

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for multicolor imaging. Once reacted

with the membrane and dried