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## Product Datasheet

### Blocking Buffer For Fluorescent Western Blotting, Unconjugated BYT-ORB348637

Article Name	Blocking Buffer For Fluorescent Western Blotting, Unconjugated
Biozol Catalog Number	BYT-ORB348637
Supplier Catalog Number	orb348637
Alternative Catalog Number	BYT-ORB348637-500
Manufacturer	Biorbyt
Category	Sonstiges
Application	WB
Conjugation	Unconjugated
Product Description	Blocking Buffer For Fluorescent Western Blotting...
Concentration	1X
Pubmed	<a href=https://pubmed.ncbi.nlm.nih.gov/29289663 target=_blank rel=nofollow>29289663
Buffer	Preservative: Thimerosal is added as an antimicrobial agent., Buffer: See application note.
Purity	Blocking buffer was 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 with thimerosal added as an antimicrobial agent.
Form	Liquid (sterile filtered)
Application Dilute	WB: User Defined

Application Notes

Application Notes: Fluorescence technology is widely used to detect proteins in both the visible and near-infrared ranges. This product allows for superior signal detection and lower background noise when fluorochrome conjugated antibodies are used to visualize proteins in western blotting and other applications. Antibody conjugates prepared with IRDye 800 and IRDye 700DX (Licor), Cy2, Cy3, Cy3.5, Cy5 and Cy5.5 (GE Healthcare), DyLight405, DyLight 549, DyLight 649, DyLight 680, and DyLight 800 (Thermo Fisher/Pierce) and Alexa Fluor 488, Alexa Fluor 532, Alexa Fluor 546, Alexa Fluor 647 and Alexa Fluor 680 (Invitrogen/Molecular Probes) have been validated on various platforms using this product with superior results compared to other commercially available products. In the infrared range, where little to no autofluorescence occurs, specific signal is sharply evident from any background giving the best possible signal-to-noise ratio. This allows for detection levels in the picogram range which rivals the sensitivity of chemiluminescence on film for western blotting. Superior results are also seen when this product is used for simultaneous labeling (multiplex) in western blots or microscopy using various fluorochrome combinations for multicolor imaging. Membranes blocked with this product can be dried and are very stable. Membranes that are stored protected from light can be re-washed and/or rescanned