

Colorimetric Western Blot Kit: TMB/DAB Substrate Kit for Western Blot using Rabbit Primary Antibody MaxTag™ - KIA003

Code: KIA003

Size: 1 Kit

Product Description: Colorimetric Western Blot Kit: TMB/DAB Substrate Kit for Western Blot using Rabbit Primary Antibody MaxTag™ - KIA003

PhysicalState: n/a

Label	Unconjugated
Species Reactivity	Anti-Rabbit IgG
Preservative	Wash buffers MUST NOT contain SODIUM AZIDE or other inhibitors of peroxidase activity!
Storage Condition	See kit insert for complete instructions.
Synonyms	Western Blotting Kit, TMB Kit, DAB Kit, Peroxidase Kit, Immunoblotting Kit
Application Note	MaxTag western blotting kit provides a rapid, sensitive, and economical way to develop western blots. The design of this kit simplifies the process of western blotting applications. Straightforward procedures and color-coding add to the ease of use. Two substrates are provided for flexibility, TMB substrate producing a bright blue color and DAB substrate producing a dark brown color. This kit can process up to 40 blots (100 cm ²) and is stable for at least 1 year when stored at +4°C.
Background	This western blotting kit allows for the detection of primary rabbit polyclonal or monoclonal antibody provided by the user. After protein separation and transfer, the membrane is probed with primary antibody. The first step in the detection of the membrane bound primary antibody-antigen complex is the addition of a secondary antibody that has been affinity purified, cross-adsorbed, and biotinylated. This biotinylated secondary antibody is visualized after reaction with streptavidin-peroxidase conjugate and subsequent addition of either TMB or DAB substrates. The increased sensitivity and low background achieved by Rockland Immunochemicals' MaxTag Western Blotting Kit relies on the use of an enhanced streptavidin-peroxidase conjugate and a highly active biotinylated antibody. The streptavidin carries a neutral charge and fewer carbohydrate groups than positively charged avidin. The biotin incorporates a "spacer" group that allows for better accessibility of the streptavidin-peroxidase conjugate.
Purity And Specificity	This kit contains: Biotinylated Goat anti-Rabbit IgG antibody, Ultra Pure Tween-20, Streptavidin peroxidase conjugate, Bovine Serum Albumin (BSA), Control Rabbit IgG, TMB Substrate, TMB Substrate Precipitating Agent, DAB substrate, Hydrogen Peroxide 30% solution, along with additional supplies and instructions (see protocol).
Assay Dilutions	User Optimized
Western Blot	1:2,000
Other Assays	User Optimized
Expiration	See kit insert for complete instructions.

Related Products

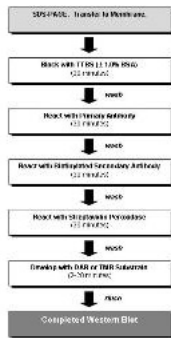
KIA001	Colorimetric Western Blot Kit: TMB/DAB Substrate Kit for Western Blot using Human Primary Antibody MaxTag™ - KIA001
KIA002	Colorimetric Western Blot Kit: TMB/DAB Substrate Kit for Western Blot using Mouse Primary Antibody MaxTag™ - KIA002
KIA004	Colorimetric Western Blot Kit: TMB/DAB Substrate Kit for Western Blot using Goat Primary Antibody MaxTag™ - KIA004
KIC003	Control Rabbit IgG for Western Blot MaxTag™ - KIC003

Related Links

[Colorimetric Western Blot Kit: Rabbit Primary Antibodies Protocol](#)

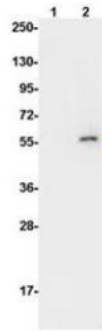
Images

1	Diagram for Colorimetric Western Blot Procedure
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TMB/DAB Colorimetric Western Blotting Kits can generate publication quality results for novices and experts alike. Expect reliable and reproducible signal with low back-ground staining.



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Rockland produces kits to meet the requirements of researchers for highly sensitive chemiluminescence and other antibody based assays.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.