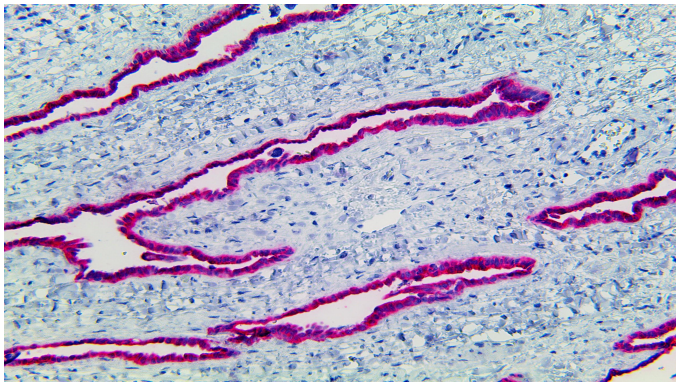
Mouse/Rabbit PolyDetector AP ALK Scarlet

CE IVD



Inset: IHC of CKAE1&AE3 on Prostate Adenocarcinoma Tissue

Intended Use
For In Vitro Diagnostic Use.

Summary and Explanation
The Mouse/Rabbit PolyDetector Alkaline Phosphatase/ ALK Scarlet System is a one-step polymeric detection system that allows for the demonstration of antigens in paraffin-embedded tissue, cryostat sections, blood smears, cytosmears, and cell preparations. The PolyDetector kits have been developed using an Anti-Mouse and Anti-Rabbit Link for maximum sensitivity. Our proprietary hyperlabeling technology is used to directly conjugate immunoglobulins Fab ' monomeric fragments and AP enzymes to a biopolymer backbone molecule. This ensures excellent cellular penetration which generates consistent and reproducible immunostaining for all types of nuclear, cytoplasmic and membranous antigens, in different types of tissues and cell preparations.

The PolyDetector AP Blocker is used to block the endogenous Alkaline Phosphatase enzymes that naturally occur in cells and tissue sections without affecting antigens or nucleic acids. The increased sensitivity of the Mouse/Rabbit PolyDetector Alkaline Phosphatase/ALK Scarlet Detection System allows for rapid staining procedures without compromising stain quality. The Mouse/Rabbit PolyDetector Alkaline Phosphatase/ALK Scarlet Detection System is suitable for use with mouse (IgG and IgM) and rabbit primary monoclonal and polyclonal antibodies. The Mouse/Rabbit PolyDetector Alkaline Phosphatase/ALK Scarlet Detection System kits are universal kits and therefore work equally well with Tintoprediluted and concentrated antibodies from Bio SB and from different vendors' primaries, as long as they are optimized.

The PolyDetector Alk Scarlet, in the presence of Alkaline Phosphatase, gets deposited at the site of the target antigen, producing a magenta color that is partially soluble in organic solvents and therefore care should be taken when mounting with permanent mounting media (please refer to the recommended permanent mounting protocol on reverse).

Presentation
The Mouse/Rabbit PolyDetector Alkaline Phosphatase/ALK Scarlet Detection System contains an AP Blocker, Anti-Mouse/Rabbit Immunoglobulin conjugated to Alkaline Phosphatase, an ALK Scarlet Chromogen and an ALK Scarlet Buffer-Substrate. All the components are buffered with stabilizers and an antimicrobial agent.

Catalog No.	Volume
BSB-0351-15	15 mL
BSB-0351-50	50 mL
BSB-0351-100	100 mL
BSB-0351-200	200 mL
BSB-0351-1000	1000 mL

Storage Store at 2-8°C

Precautions
1. For professional users only. Results should be interpreted by a qualified medical professional.
2. This product contains <0.1% sodium azide (NaN_3) as a preservative. Ensure proper handling procedures are used with this reagent.
3. Always wear personal protective equipment such as a laboratory coat, goggles, and gloves when handling reagents.
4. Dispose of unused solution with copious amounts of water.
5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately.
6. Avoid contact with eyes. If contact occurs, flush with large quantities of water.
7. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
8. For additional safety information refer to the Safety Data Sheet for this product.
9. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (see References in this document).

Stability
This product is stable up to the expiration date on the product label.
Do not use after the expiration date listed on the package label. Temperature fluctuations should be avoided. Store appropriately when not in use and avoid prolonged exposure to room temperature conditions.

Preparation of a Working Solution
To prepare a working PolyDetector ALK Scarlet Substrate-Chromogen solution, add 1 drop of the ALK Scarlet Chromogen to 1 mL of the ALK Scarlet Buffer-Substrate and mix. Use this working solution within 5-10 minutes of preparation.

Specimen Preparation

Paraffin sections: The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation for best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using Bio SB ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023), ImmunoDNA Retriever with EDTA (BSB 0030-BSB 0033), or ImmunoDNA Digestor (BSB 0108-0112). See reverse side for complete protocol. Tissue should remain hydrated via use of Bio SB Immuno/DNA Washer solutions (BSB 0029 & BSB 0042).

Frozen sections and cell preparations: The antibody can be used on acetone-fixed frozen sections and acetone-fixed cell preparations.

IHC Protocol

1. Cut and mount 3-5 micron formalin-fixed paraffin-embedded tissues on positively charged slides such as Bio SB Hydrophilic Plus Slides (BSB 7028).
2. Air dry for 2 hours at 58° C.
3. Deparaffinize, dehydrate, and rehydrate tissues.
4. Subject tissues to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023) or EDTA (BSB 0030-BSB 0033).
5. Any of three heating methods may be used:

a. TintoRetriever Pressure Cooker or Equivalent

Place tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA and place on the trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature.

b. TintoRetriever PT Module or Water Bath Method

Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes.

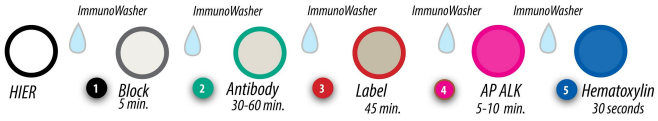
c. Conventional Steamer Method

Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a steamer, cover and steam for 30-60 minutes.

6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes.
7. For manual IHC, perform antibody incubation at ambient temperature. For automated IHC methods, perform antibody incubation according to the instrument manufacturer's instructions.
8. Wash slides with ImmunoDNA washer or DI water.
9. Continue IHC protocol. Wash slides between each step with ImmunoDNA washer solution.

Abbreviated Immunohistochemical Protocol

Step	Mouse/Rabbit PolyDetector AP ALK Scarlet
Peroxidase/AP Blocker	5 min.
Primary Antibody	45 min.
AP Label	45 min.
Substrate- Chromogen	10 min.
Counterstain /Coverslip	Varies



Mounting Protocols

For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter (BSB 0169-0174) or organic solvent based resin such as PermaMounter (BSB 0094-0097), refer to PI0174 or PI0097.

Product Limitations

Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues, dilution factor of antibody, retrieval method utilized, and incubation time), optimal performance should be established through the use of positive and negative controls. Results should be interpreted by a qualified medical professional.

References

1. U.S. Department of Health and Human Services: Centers for Disease Control and Prevention. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. Supplement / Vol. 61, January 6, 2012.
https://www.cdc.gov/mmwr/pdf/other/su6101.pdf

Symbol Key / Légende des symboles/Erläuterung der Symbole

EC REP QAdvis EAR AB Ideon Science Park Scheelevägen 17 SE-223 70 Lund, Sweden	Storage Temperature Limites de température Zulässiger Temperaturbereich	Manufacturer Fabricant Hersteller	REF Catalog Number Référence du catalogue Bestellnummer
IVD In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro In-Vitro-Diagnostikum	Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten	Expiration Date Utiliser jusque Verwendbar bis	LOT Lot Number Code du lot Chargenbezeichnung

Bio SB
BIOSCIENCE FOR THE WORLD
5385 Hollister Avenue, Bldg. 8, Ste. 108 Santa Barbara, CA 93111, USA
Tel. (805) 692-2768 | Tel. (800) 561-1145 | Fax. (805) 692-2769
E-mail: sales@biosb.com | Website: www.biosb.com