

# ImmunoDNA Background Blocker



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## Intended Use

For In Vitro Diagnostic Use.

## Summary and Explanation

ImmunoDNA Background Blocker is used to block or reduce background associated with antibodies and/or antigens/nucleic acids that yield high background in immunohistochemical (IHC), CISH/FISH staining procedures. This reagent is designed to minimize the non-specific interactions that may be caused by antibodies or nucleic acids and encourages specific antigen-antibody binding.

ImmunoDNA Background Blocker can also be used as a diluent to dilute monoclonal, polyclonal, and control antibodies of different species that produce high background in IHC or CISH/FISH staining procedures.

## Presentation

ImmunoDNA Background Blocker is provided in liquid form ready-to-use. It contains buffer and stabilizing proteins.

<i>Catalog No.</i>	<i>Concentration</i>	<i>Volume</i>
BSB 0103	Ready-to-use	15 mL
BSB 0104	Ready-to-use	50 mL
BSB 0105	Ready-to-use	100 mL
BSB 0106	Ready-to-use	200 mL
BSB 0107	Ready-to-use	1000 mL

**Storage** Store at 2-8°C

## Stability

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

## Precautions

- 1 For professional users only. Results should be interpreted by a medical professional.
2. proper handling procedures are used with this reagent.
3. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents.
4. Dispose of unused solution according to local and federal regulations.
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. 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" (1).

## Preparation of Working Solution

ImmunoDNA Background Blocker is a ready-to-use working solution and requires no further preparation.

## Recommended Protocol

The ImmunoDNA Background Blocker can be used as a blocking reagent or as a diluent:

1. Antibody Diluent: Dilute primary antibodies or negative controls with the ImmunoDNA Background Blocker using appropriate pipetting technique and incubate at the antibody's recommended temperature and time.
2. Protein Blocker: After deparaffinization, rehydration, permeabilization of tissues and application of Peroxidase or AP Blocker, apply ImmunoDNA Background Blocker directly to tissue section and incubate at room temperature or 37°C for 10 minutes. DO NOT rinse and proceed with primary antibody application and staining procedure.

Note: When diluting antibodies, add antibody to the diluent, not diluent to the antibody. Addition of the antibody to the mixing vessel before the diluent can cause contamination of the diluent if multiple dispenses are necessary. Take the appropriate precautions.

## Abbreviated Immunohistochemical Protocol

Step	ImmunoDetector AP/HRP
AP Blocker	5 min.
Biotin Blocker	10 min.
Primary Antibody	30-60 min.
1st Step Detection	10 min.
2nd Step Detection	10 min.
Substrate-Chromogen	5-10 min.
Counterstain / Coverslip	Varies





## 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.

## Symbol Key / Légende des symboles/Erläuterung der Symbole

	 Storage Temperature Limites de température Zulässiger Temperaturbereich	 Manufacturer Fabricant Hersteller	<b>REF</b> Catalog Number Référence du catalogue Bestellnummer
<b>IVD</b> 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	<b>LOT</b> Lot Number Code du lot Chargenbezeichnung

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