

# Mouse Negative Control

**RUO**



## Intended Use

For Research Use Only.

## Summary and Explanation

The purpose of the Mouse Negative Control is to demonstrate whether the IHC test is specific. Usually, “negative control” is a term applied to a separate slide with a patient's test sample on which the Mouse Negative Control is applied.

## Presentation

The Mouse Negative Control is provided in liquid form ready-to-use with Tris Buffered Saline, pH 7.6, 1% bovine serum albumin and preserved with Sodium Azide.

| <b>Catalog No.</b> | <b>Concentration</b> | <b>Volume</b> |
|--------------------|----------------------|---------------|
| BSB-0040A-RUO      | Ready-to-use         | 3 mL          |
| BSB-0040B-RUO      | Ready-to-use         | 6 mL          |
| BSB-0040C-RUO      | Ready-to-use         | 15 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. Adhere to all local laws when disposing of this product.

## Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
2. This product contains <0.1% sodium azide (NaN<sub>3</sub>) as a preservative. Ensure 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 with copious amount 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 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).

## Preparation of Working Solution

The Mouse Negative Control is a ready-to-use working solution and requires no further preparation.

### Recommended Protocol

In order to serve as a true negative control, this mouse antibody should be used under the identical conditions and at the same concentration as other purified mouse monoclonal antibodies.

Mouse negative control serum is applied in place of a mouse anti-human primary antibody onto tissue that has been designated as the corresponding negative control. The section under test and the corresponding negative control should be serial sections off the same paraffin-embedded block.

### Note:

Both the tissue under test and the negative control tissue must be unmasked using the same unmasking reagent and protocol such as Heat Induced Epitope Retrieval (HIER).

### 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.

### Abbreviated Immunohistochemical Protocol

| Step                     | ImmunoDetector AP/HRP | PolyDetector AP/HRP | PolyDetector Plus HRP |
|--------------------------|-----------------------|---------------------|-----------------------|
| Peroxidase/AP Blocker    | 5 min.                | 5 min.              | 5 min.                |
| Primary Antibody         | 30-60 min.            | 30-60 min.          | 30-60 min.            |
| 1st Step Detection       | 10 min.               | 30-45 min.          | 15 min.               |
| 2nd Step Detection       | 10 min.               | Not Applicable      | 15 min.               |
| Substrate- Chromogen     | 5-10 min.             | 5-10 min.           | 5-10 min.             |
| Counterstain / Coverslip | Varies                | Varies              | Varies                |

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

|   |  |   |  |   |   |
|---|--|---|--|---|---|
|  | Storage Temperature<br>Limites de température<br>Zulässiger Temperaturbereich                        |  | Manufacturer<br>Fabricant<br>Hersteller              |  | Catalog Number<br>Référence du catalogue<br>Bestellnummer |
|  | Read Instructions for Use<br>Consulter les instructions d'utilisation<br>Gebrauchsanweisung beachten |  | Expiration Date<br>Utiliser jusque<br>Verwendbar bis |  | Lot Number<br>Code du lot<br>Chargenbezeichnung           |