

**PowerVision™ IHC/ISH Super Blocking**  
**Cat No.: PV6122 (BB02-110) (110 mL, Ready-to-Use)**

## I. INTENDED USE

*For Research Use Only. Not for use in diagnostic procedures.*

IHC/ISH Super Blocking is intended for the enhancement of chromogenic detection of targeted antigens or targeted DNA/RNA sequences bound by a user supplied primary antibody or labeled probe and detected by a user supplied detection system with IHC or ISH procedures.

## II. INTRODUCTION

IHC/ISH Super Blocking is specially formulated to stabilize antibodies and eliminate backgrounds encountered in immunohistochemistry (IHC) and in situ hybridization (ISH) procedures. The diluent contains complex protein and non-protein mixtures which eliminate background by blocking non-specific protein-protein interactions. It is particularly recommended for staining of mouse tissues with mouse primary antibodies. It can also be used as a diluent for primary antibodies. If primary antibodies are diluted in this solution, a blocking step before primary antibodies can be omitted.

## III. HANDLING, STORAGE AND SHELF LIFE

**Storage Conditions:** All reagents are to be stored at 2-8°C. Void after expiration date as specified on the label.

**Precautions:** Specimens before and after fixation, and all materials exposed to them, should be handled as if capable of transmitting infection and disposed of with proper precautions. Some reagents in this kit contain hazardous material. The user is advised to consult the MSDS for further information.

## IV. REAGENTS AND MATERIALS NEEDED BUT NOT SUPPLIED

**PowerVision Poly-HRP and Poly-AP IHC Detection Systems (biotin-free)**

**PowerVision+ Poly-HRP and Poly-AP IHC Detection Systems (biotin-free, outstanding sensitivity)**

**Primary antibodies**

## V. WARNINGS AND PRECAUTIONS

### **IHC/ISH Super Blocking**

Contains 0.01%

2-methylisothiazol-3(2H)-one.

GHS07: Exclamation mark.

Signal words: Warning.

H317: May cause an allergic skin reaction.

P261: Avoid breathing mist.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P501: Dispose of contents/container to hazardous or special waste collection point.

**Please note:** This reagent contains the biocidal product ProClin™ 950 at 0.1%. The active substance present in ProClin™ 950 is 2-methylisothiazol-3(2H)-one. The ProClin™ 950 biocide is present in this reagent to prevent contamination with microbial organisms.

## VI. PROCEDURES

**Each staining run should include both positive and negative tissue control slides to confirm:**

1. The staining system is working properly.
2. That positive staining are specific.
3. The correct procedure has been followed.

Tissue fixation can have adverse effects on antigenicity, leading to false-negative staining or high background. Always consult the primary antibody/probe datasheet for recommended pretreatment information. The tissue sections should not be allowed to dry out at any point after rehydration. All procedures are performed at 18-26 °C.

Leica Biosystems Newcastle Ltd  
Balliol Business Park West  
Benton Lane  
Newcastle Upon Tyne NE12 8EW  
United Kingdom  
Tel. +44 191 215 4242



LBS Deutschland GmbH  
Heidelberger Straße 17-19  
69226 Nussloch  
Tel: +49 6224 143 0



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**Used as primary antibody diluent:**

1. Dilute primary antibodies in the diluent on the day it is to be used.
2. Apply 100µl or enough to cover tissue sections and incubate for 30-60 min. at room temperature.
3. Proceed to secondary detection reagents per datasheet instructions.

**Used as pre-blocking:**

1. Apply 100µl or enough to cover tissue sections and incubate for 10 min.
2. Proceed to primary antibody/probe incubation and secondary detections per datasheet instructions.

**VI. LIMITATIONS**

IHC/ISH Super Blocking helps reduce non-specific staining in IHC or ISH procedures. No other warranties or guarantees, expressed or implied, are provided, including warranties for merchantability or fitness for a particular purpose.

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