

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

I. INTENDED USE

For Research Use Only

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

Primary antibodies/probes and detection systems

Related products available from Leica Biosystems:

- 1) PowerVision Poly-HRP and Poly-AP IHC Detection Systems: biotin-free
- 2) PowerVision+ Poly-HRP and Poly-AP IHC Detection Systems: biotin-free, outstanding sensitivity
- 3) Primary antibodies

V. 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.

Or 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.