

UltraBrite™ Black IHC chromogen (HRP)

CATALOG NO: M1311-30
AMOUNT: 30 ml
FORM: Liquid
STORAGE CONDITIONS: +4°C
SHELF LIFE: Stable up to 12 months. Chromogen is light sensitive, store away from light.
APPLICATIONS: IHC, ISH (in situ hybridization)

BACKGROUND: UltraBrite™ black IHC chromogen (HRP) is a substrate-chromogen system designed to be used for either immunohistochemistry (IHC) or ISH when utilizing horseradish peroxidase. UltraBrite™ black IHC chromogen (HRP) produces a sharply contrasting ebony black color that can easily be distinguished from other stains.

KIT CONTENTS:

Components	M1311-30	Part Number
UltraBrite™ black IHC chromogen (HRP) System buffer	30ml	M1311-30-1
UltraBrite™ black IHC chromogen (HRP) Chromogen	1ml	M1311-30-2
Empty Mixing Bottle	1	M1311-30-3



Immunohistochemistry analysis: Formalin fixed paraffin embedded human tonsil stained with a high molecular weight cytokeratin antibody labeled and UltraBrite™ black IHC chromogen (HRP) produces a sharply contrasting ebony black color.

UltraBrite™ BLACK IHC CROMOGEN (HRP) PROTOCOL:

A. WORKING SOLUTION:

Aliquot 1 mL of UltraBrite™ black IHC chromogen (HRP) substrate Buffer in a mixing bottle. Add one drop (~20 µL) of concentrated UltraBrite™ black IHC chromogen (HRP) chromogen solution. Replace tip, mix, and allow solution to reach room temperature before using.

Note: The UltraBrite™ black IHC chromogen (HRP) chromogen-substrate working solution is light sensitive and should be kept away from light as much as possible. Working solution is stable for up to 1 day, for optimal results prepare fresh reagent.

B. PROTOCOL/STAINING PROCEDURE:

Following peroxidase incubation, wash tissue sections with wash buffer, then follow protocol of choice:

Protocol	Staining Procedure	Incubation Times
Pre-Mix Working Solution: (Automation)	UltraBrite™ black IHC chromogen (HRP) has a working solution stability of at least 1 day and can be loaded directly onto instrument as a single solution. Reduce exposure to light to achieve optimal staining. Working solution is applied directly to slide.	Working Solution: 10 - 20 min
On Board Mixing (Automation)	Instruments that have on-board mixing capability can load the chromogen and substrate-buffer components independently. Working solution is made mixing reagents 1:50 using on-board mixing station before application to slide.	Working Solution: 10 - 20 min
Manual Use	Mix substrate-chromogen and buffer in a 1:50 ratio and apply directly to slide.	Working Solution: 10 - 20 min

C. COUNTERSTAIN:

Counterstain with Hematoxylin or other counterstain for good contrast. Wash with distilled or de-ionized H₂O followed by immuno wash buffer.

D. MOUNTING:

Slides should be air dried or dehydrate in alcohol or xylene (or xylene substitute), then permanently mounted

RELATED PRODUCTS:

- UltraBrite™ Red IHC chromogen (AP) (Cat. No. M1305-30)
- UltraBrite™ Red IHC chromogen (AP Plus) (Cat. No. M1306-30)
- UltraBrite™ Blue IHC chromogen (AP) (Cat. No. M1307-30)
- UltraBrite™ Blue IHC chromogen (HRP) (Cat. No. M1308-30)
- UltraBrite™ Green IHC chromogen (AP) (Cat. No. M1309-30)
- UltraBrite™ Yellow IHC Chromogen (HRP) (Cat. No. M1310-30)
- UltraBrite™ Red IHC chromogen (HRP) (Cat. No. M1312-30)

For Research Use Only! Not to be used in humans.