BioVision O7/17 For research use only

# UltraBrite™ Yellow IHC chromogen (HRP)

 CATALOG NO:
 M1310-30

 AMOUNT:
 30 ml

 FORM:
 Liquid

 STORAGE CONDITIONS:
 +4°C

SHELF LIFE: Stable up to 12 months. Chromogen is light sensitive, store

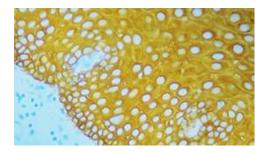
away from light.

**APPLICATIONS:** IHC, ISH (in situ hybridization)

**BACKGROUND:** The UltraBrite<sup>™</sup> yellow IHC chromogen (HRP) is a substrate chromogen system designed to be used for either immunohistochemistry (IHC) or ISH when utilizing horseradish peroxidase. UltraBrite<sup>™</sup> yellow IHC chromogen (HRP) produces a distinct bright yellow that can easily be distinguished from other stains.

# **KIT CONTENTS:**

Components	M1310-30	Part Number
UltraBrite™ yellow IHC chromogen (HRP) System buffer	30ml	M1310-30-1
UltraBrite™ yellow IHC chromogen (HRP) Chromogen	1ml	M1310-30-2
Empty Mixing Bottle	1	M1310-30-3



Immunohistochemistry analysis: Formalin fixed paraffin embedded human tonsil stained with a high molecular weight CK antibody labeled with UltraBrite™ yellow IHC chromogen (HRP) produces a distinct golden yellow color.

# UltraBrite™ YELLOW IHC CROMOGEN (HRP) PROTOCOL:

## A. WORKING SOLUTION:

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

**Note:** The UltraBrite<sup>™</sup> yellow IHC chromogen (HRP) chromogen-substrate working solution is light sensitive and should be 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™ yellow 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 or Nuclear Fast Red for good contrast. Wash with distilled or de-ionized  $H_2O$  followed by immuno wash buffer.

#### D. MOUNTING:

Slides should be air dried (do not dehydrate in alcohol or xylene). After rinsing off counterstain in distilled or de-ionized  $H_2O$ , leave slides on benchtop for at least 20 minutes to air dry, then permanently mount

## **RELATED PRODUCTS:**

- UltraBrite<sup>™</sup> Red IHC chromogen (AP) (Cat. No. M1305-30)
- UltraBrite<sup>™</sup> 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<sup>™</sup> Black IHC chromogen (HRP) (Cat. No. M1311-30)
- UltraBrite™ Red IHC chromogen (HRP) (Cat. No. M1312-30)

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