Datasheet: STAR3000B

Description:	HISTAR DETECTION SYSTEM
Name:	HISTAR DETECTION KIT (HUMAN TISSUES ONLY)
Format:	Kit
Product Type:	Kits
Quantity:	150 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			Ready to use
Immunohistology - Paraffin	▪			Ready to use

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Intended Use

Bio-Rad HISTAR Detection System reagents are designed specifically to replace complex immunohistochemical techniques with a simple kit. This kit provides linking and labeling reagents intended for use with species specific primary antibodies for visualizing cellular antigens in tissue specimens. Visualization is accomplished using an ultra-sensitive indirect labeling method that utilizes novel polymer labeling technology. Secondary antibodies are polymerized directly with Horseradish peroxidase (HRP) into compact polymers bearing a high ratio of enzyme to antibody. This biotin-free system offers enhanced sensitivity and minimal background staining.

The HISTAR Detection System is designed for the staining of Human tissue sections only. This kit is suitable for use with mouse and rabbit primary antibodies only.

All labeling and blocking reagents are pre-diluted for immediate use, and chromogen is provided in concentrated format. This product is suitable for use with the wide range of Bio-Rad ready-to-use or concentrated primary antibody reagents against human targets. Detailed instructions for use can be found in the complete Bio-Rad PDF datasheet, that can be accessed by clicking on the "Instructions For Use" link. The procedure has been briefly summarized below:

1) Prepare tissue sections appropriately according to the requirements of the primary antibody being used e.g. apply antigen retrieval if necessary.
2) Incubate paraffin-embedded sections with peroxide blocking reagent for 15 minutes at room temperature. Rinse with Phosphate Buffered Saline (PBS).
3) Apply serum block and incubate for 15 minutes.
4) Apply primary antibody and incubate for 30 minutes.
5) Apply reagent boost and incubate for 20 minutes. Rinse twice with PBS (5 minutes per wash).
6) Apply HRP polymer for 30 minutes, then rinse twice with PBS (5 minutes per wash).
7) Apply DAB substrate solution for 3-5 minutes, then rinse with distilled water.
[Discard unused substrate solution]
8) Counterstain and mount slides using an aqueous mounting medium such as BUF058A.

Reagents In The Kit

VIAL 1, Serum Block
1 x 15ml

VIAL 2, Reagent Boost
1 x 15ml

VIAL 3, HRP Polymer
1 x 15ml

Additional Reagents Required

1) Primary antibody and positive control
2) Phosphate Buffered Saline (PBS), pH7.4 (+ 0.2)
3) Hydrogen Peroxide Blocking Reagent
4) Substrate Chromogen (DAB or AEC)
5) Substrate Buffer
6) Counterstain
7) Mounting media

Bio-Rad can supply a number of these products separately, please see the 'Recommended Useful Reagents' section.

Instructions For Use

Instructions for use can be found at www.bio-rad-antibodies.com/uploads/IFU/STAR3000B.pdf

References

1. Nishimoto, K. *et al.* (2010) Association of EMCN with Susceptibility to Rheumatoid Arthritis in a Japanese Population. J Rheumatol. 38: 221-8.
2. Dedrick, G.S. *et al.* (2011) Immunohistochemical study of human costotransverse joints: A preliminary investigation. Clin Anat. 24 (6): 741-7.
3. Alexopoulou, Z. *et al.* (2016) Deubiquitinase Usp8 regulates α-synuclein clearance and modifies its toxicity in Lewy body disease. Proc Natl Acad Sci U S A. Jul 21. pii: 201523597. [Epub ahead of print]

Storage

Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10362 #10282 #10456 available at: Serum Block (10362): https://www.bio-rad-antibodies.com/uploads/MSDS/10362.pdf Reagent Boost (10282): https://www.bio-rad-antibodies.com/uploads/MSDS/10282.pdf HRP Polymer (10456): https://www.bio-rad-antibodies.com/uploads/MSDS/10456.pdf
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

10X PHOSPHATE BUFFERED SALINE (BUF036A)
PERMANENT AQUEOUS MOUNTING MEDIUM (BUF058B)

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Look out for updates on how to access your digital version at bio-rad-antibodies.com
'M352427:190327'

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