

Avidin / Biotin Blocking Kit

Avidin / Biotin Blocking Kit

High levels of biotin in tissues such as kidney, liver, and mammary tissue can lead to high background in avidin-biotin-based immunostaining.

This product can be used to suppress non-specific staining caused by endogenous biotin.

1 kit [A3665]



Kit Components

- 1x Avidin Solution 15 mL
- 1x Biotin Solution 15 mL

Application : Immunostaining Using Frozen Human Tissue Sections

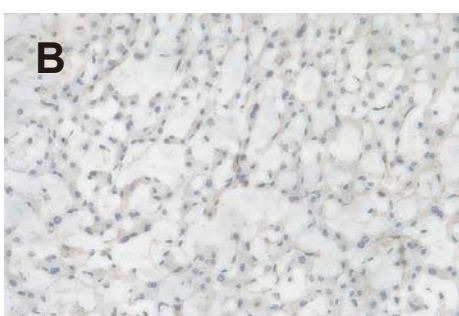
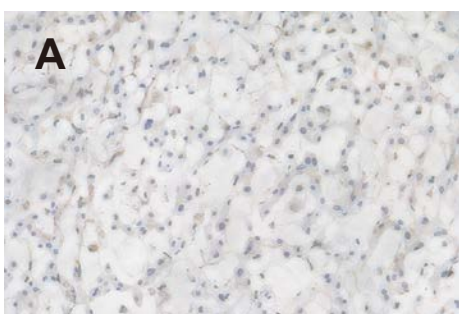


Figure.

A : Endogenous biotin blocked with A3665

B : Endogenous biotin not treated

By inactivating endogenous biotin, a reduction in background staining was achieved.

1. Following treatment with 0.3% H₂O₂ in methanol, block frozen human liver sections using 1% BSA in PBS.
2. Incubate sections with 1x Avidin Solution at room temperature for 15 minutes.
3. Wash twice with PBS(-).
4. Incubate sections with 1x Biotin Solution at room temperature for 15 minutes.
5. Wash twice with PBS(-).
6. Incubate sections with mouse anti-Vimentin antibody at room temperature for 1 hour.
7. Wash four times with PBS(-).
8. Incubate sections with biotin-conjugated anti-mouse IgG antibody at room temperature for 1 hour.
9. Wash four times with PBS(-).
10. Incubate sections with HRP-conjugated streptavidin at room temperature for 1 hour.
11. Wash four times with PBS(-).
12. Stain sections with DAB and wash with running water.
13. Stain sections with hematoxylin and wash with running water.
14. After dehydration, seal sections with a mounting agent and observe via a microscope.

Ordering and Customer Service

TCI AMERICA

Tel : 800-423-8616 / 503-283-1681
Fax : 888-520-1075 / 503-283-1987
E-mail : Sales-US@TCIchemicals.com

TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00
Fax : +32 (0)3 735 07 01
E-mail : Sales-EU@TCIchemicals.com

TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00
Fax : +49 (0)6196 64053-01
E-mail : Sales-DE@TCIchemicals.com

Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 78 45 60
E-mail : Sales-UK@TCIchemicals.com

梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386
Fax : 021-6712-1385
E-mail : Sales-CN@TCIchemicals.com

Tokyo Chemical Industry (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909
E-mail : Sales-IN@TCIchemicals.com

TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878
E-mail : globalbusiness@TCIchemicals.com

• Chemicals itemized in this brochure are for research and testing use only. Please avoid use other than by chemically knowledgeable professionals. • Information such as listed products and its specifications and so on are subject to change without prior notice. • The contents may not be reproduced or duplicated in whole or in part without permission of Tokyo Chemical Industry Co., Ltd.