



Product Information Sheet

Peroxidase Conjugated Rabbit anti-avidin

Catalog No. BA1082-0.5

Size 0.5 mg

Storage

Store at 4°C for frequent use; at
-20°C for at least one year.
Avoid multiple freeze-thaw cycles.

Expiration

One year from the day of shipment.

Applications

Dot blot;
Western blot (WB);

Product Description

Avidin is a 68KD protein that extracted from egg white. It has very high affinity to biotin molecule, one million times than the common affinity between antigen and antibody. Avidin is a alkalic protein (IP=10.0-10.5), and it can transfer to be a neutral protein through reconstruction. This antibody is obtained from the rabbit which was immunized by reconstructed avidin, and it is specific for natural and reconstructed avidin.

Contents

0.5 mg of peroxidase conjugated rabbit anti-avidin; 0.01M PBS (pH7.4); 1% BSA.

Labeling Method

Rabbit anti-avidin is conjugated to peroxidase by means of a method described by Wilson MB and Nakane PK.

(**Reference:** Wilson MB and Nakane PK. In Immunofluorescence and Related Staining Techniques, Elsevier/North Holland Biomedical Press, Amsterdam, P215 (1978).)

Preparation of Diluent Buffer

Use 0.01M TBS or 0.01M PBS to dilute. See "Recommended Dilutions" below for details.

Preparation of 0.01M TBS: Add 1.2g Tris, 8.5g NaCl; 450μl of purified acetic acid or 700μl of concentrated hydrochloric acid to 1000ml H₂O and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Preparation of 0.01 M PBS: Add 8.5g sodium chloride, 1.4g Na₂HPO₄ and 0.2g NaH₂PO₄ to 1000ml distilled water and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

To reorder contact us at:

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Recommended Dilutions

Dot blot (Enhanced chemiluminescent coloration) 1:2000-4000

WB (DAB coloration) 1:500-3000

WB (Enhanced chemiluminescent coloration) 1:3000-10000

Optimal working dilutions must be determined by end user.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.