

Product Information

Mouse ExtrAvidin® Peroxidase Staining Kit

antibody produced in goat

Catalog Number **EXTRA2**

Storage Temperature 2–8 °C

Product Description

The unique avidin reagent, ExtrAvidin®, combines the high specific activity and sensitivity of avidin with the low background staining of streptavidin.

ExtrAvidin binds biotin with the affinity of egg white avidin ($K_a \sim 10^{15} \text{ M}^{-1}$); however, it does not exhibit the unwanted nonspecific binding reported for egg white avidin at physiological pH, such as the staining of mast cells. The Mouse ExtrAvidin Staining Kit consists of ExtrAvidin Peroxidase and Biotinylated Purified Goat Antibody to Mouse IgG. The biotinylated antibody has been adsorbed with human IgG and IgM to ensure minimal cross reactivity with human tissue or cell preparations.

The Mouse ExtrAvidin Peroxidase Staining Kit contains reagents for use with mouse primary antibodies in immunohistology and in solid-phase immunoassays such as ELISA, immunoblotting, or dot immunobinding. This kit has been optimized primarily for the adequate staining of formalin-fixed, paraffin-embedded human tissue sections. It may also be used for staining cryostat sections, cell smears, imprints, cytopins, and cultured cells.

Sufficient reagents are supplied for 200 tests in immunohistological staining. The reagents may be used for at least 2,000 ELISA or immunoblotting tests.

Components

Biotinylated Goat Anti-Mouse Immunoglobulins, 1 vial
Affinity Purified, in buffer containing
preservative (3 ml, Catalog Number B6398)

ExtrAvidin Peroxidase, 1 vial
in buffer containing preservative
(3 ml, Catalog Number E8386)

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Working Dilutions:

Immunohistology

Biotinylated anti-mouse IgG	1:15–1:20
ExtrAvidin Peroxidase	1:15–1:20

ELISA

Biotinylated anti-mouse IgG	1:1,00–1:1,500
ExtrAvidin Peroxidase	1:750–1:1,500

Immunoblotting

Biotinylated anti-mouse IgG	1:2,500–1:5,000
ExtrAvidin Peroxidase	1:250–1:500

In order to obtain best results in other assays or with different procedures, it is recommended that optimal working dilutions first be determined by a titration assay.

Storage/Stability

The kit ships on wet ice and storage at 2–8 °C is recommended. Do not freeze.

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