

## Product Information

### ExtrAvidin® Peroxidase Staining Kit for rabbit antibodies

Catalog Number **EXTRA3**  
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.

This ExtrAvidin Peroxidase Staining Kit consists of ExtrAvidin Peroxidase and Biotinylated Monoclonal Anti-Rabbit Immunoglobulins (Clone RG-16). The Monoclonal Anti-Rabbit Immunoglobulins is specific for an epitope located on the heavy chain of rabbit IgG, IgA, and IgM. The antibody does not react with human tissue or serum components. When tested in ELISA, the product does not cross react with IgG from bovine, cat, chicken, dog, goat, guinea pig, horse, human, pig, rat, sheep, nor turkey.

This kit contains reagents for use with rabbit primary antibodies in immunohistology and in solid-phase immunoassays such as ELISA or immunoblotting. 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, cytopspins, and cultured cells.

#### Components

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

Biotinylated Monoclonal Anti-Rabbit Immunoglobulins, (Clone RG-16) 1 vial  
Affinity Purified, in buffer containing preservative (3 ml, Catalog Number SAB4200363).

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 Monoclonal Anti-Rabbit Immunoglobulins	1:15–1:20
ExtrAvidin Peroxidase	1:15–1:20

##### ELISA

Biotinylated Monoclonal Anti-Rabbit Immunoglobulins	1:1,000–1:1,500
ExtrAvidin Peroxidase	1:250–1:1,500

##### Immunoblotting

Biotinylated Monoclonal Anti-Rabbit Immunoglobulins	1:2,500–1:5,000
ExtrAvidin Peroxidase	1:250–1:1,500

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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