

## Product Information

### ExtrAvidin®-R-Phycoerythrin

Catalog Number **E4011**

#### Product Description

ExtrAvidin is a modified form of chicken egg white avidin. It is a tetrameric protein containing four high affinity binding sites for biotin. ExtrAvidin combines the high specific activity of avidin with the low background staining of streptavidin, a biotin binding protein produced by the bacteria *Streptomyces avidinii*. ExtrAvidin has been conjugated to R-Phycoerythrin (PE) and purified by gel filtration to remove free ExtrAvidin.

By immunoelectrophoresis (IEP), the product reacts with rabbit anti-avidin.

ExtrAvidin-PE may be used in fluorescent biotin-avidin techniques such as flow cytometric analysis, immunocytology and immunohistochemistry. It provides a convenient, yet highly sensitive and very specific, detection system.

Molar Ratio (PE:ExtrAvidin): 1.0-4.0

#### Reagents

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 1% BSA and 15 mM sodium azide as a preservative.

#### 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.

#### Product Profile

Flow Cytometry: suitable using human peripheral blood lymphocytes with biotinylated antibody.

**Note:** In order to obtain best results, it is recommended that each individual user determine their optimum working dilution by titration assays.

#### Storage/Stability

Store at 2-8 °C. Protect from prolonged exposure to light.

ExtrAvidin is a registered trademark of Sigma-Aldrich Co. LLC

DS,KAA,PHC 12/11-1