Streptavidin PE-conjugated Antibody

Catalog Number: F0040
100 Tests

DESCRIPTION

Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Flow Cytometry	Used as a secondary reagent in immunofluorescent assays using biotinylated primary labeling reagents. This product has been optimized for use with biotin-conjugated monoclonal antibodies.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Streptavidin, a protein of 55,000 Daltons, is derived from Streptomyces avidinii and can bind 4 moles of biotin per mole of protein. The dissociation constant for biotin is approximately 10-15 M. The streptavidin-biotin complex is stable over a wide range of pH and temperatures. Streptavidin lacks carbohydrate residues present in the avidin molecule. This tends to reduce non-specific interactions with surface molecules and, therefore, streptavidin is preferred over avidin in many immunologic assays. Streptavidin can be covalently conjugated to fluorescent dyes and then used as a developer where the primary reagent was biotinylated.

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