

Streptavidin (PE)

Cat. No. GTX85910
Application ICC/IF, FACS

Package
500 µl

PRODUCT

Summary

Streptavidin is a 55 kDa (subunit MW 14 kDa) biotin-binding protein isolated from *Streptomyces avidini*. Streptavidin is superior to avidin, because it does not contain carbohydrate like avidin and has no net charge at neutral pH. Streptavidin~biotin system is routinely used in Immunohistochemistry (IHC). Extinction Coefficient 1% A280=32.0. Protein content: > 95%; Phycoerythrin (R-PE) is a 240 kDa phycobilliprotein found in red, macrophytic algae (seaweed). R-PE can be used with Fluorescein (FITC) for double labeling in flow cytometry using argon laser, since both R-PE and FITC can be excited at 488 nm, and R-PE fluoresces at a longer wavelength (580 nm) than FITC (520 nm). Phycoerythrin: R-PE purified from *Poryhyra tenera*; A565/A280 >5.0; A 1% 565 nm=82; Amax = 490, 545 and 566 nm; E max = 580 nm.

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	1:50-1:200
FACS	1:100-1:500

Not tested in other applications.

PROPERTIES

Form	Liquid
Buffer	10mM Phosphate, 150mM NaCl, 1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Conjugation	Phycoerythrin (PE)

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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