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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Streptavidin (PE)

Cat. No. GTX05034

Applications ICC/IF, IHC-Fr, FCM, Dot, ELISA, Functional Assay, Multiplexing

Package
1 ml

PRODUCT

Summary

Streptavidin is a bacterial protein (from *Streptomyces avidinii*) that has an exceptionally high binding affinity for biotin. Streptavidin-biotin binding is one of the strongest known noncovalent interactions and is highly resistant to many conditions that would typically cause dissociation (such as organic solvents, denaturants, detergents, and extreme temperatures or pH). Streptavidin's affinity for biotin can be employed in a variety of experimental uses, from purifications to standards, to means of detection or pull down experiments. Phycoerythrin (PE) is a red-pigmented protein found in cyanobacteria and red algae. Phycoerythrin absorbs light blue-green/yellow light and emits lightly orange/yellow light.

Applications

Application Note

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

Suggested dilution	Recommended dilution
ICC/IF	Assay dependent
IHC-Fr	1:100-1:250
FCM	1:100 - 1:250
Dot	Assay dependent
ELISA	Assay dependent
Functional Assay	Assay dependent
Multiplexing	Assay dependent

Note : The maximum amount of Streptavidin (PE) required to stain 1×10^6 cells in FACS is approximately 1.0 μ g of antibody conjugate.

Not tested in other applications.

Properties

Form Liquid

Buffer 20 mM K3PO4, 150 mM NaCl, 1% BSA

Preservative 0.01% Sodium Azide

Storage Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE.

Concentration 0.5 mg/ml (Please refer to the vial label for the specific concentration.)

Purification Purified streptavidin (PE) electrophoretically
Free fluorochrome is removed by tandem molecular sieve chromatography.

Conjugation Phycoerythrin (PE) [Wavelength](#)


For full product information, images and publications, please visit our [website](#).

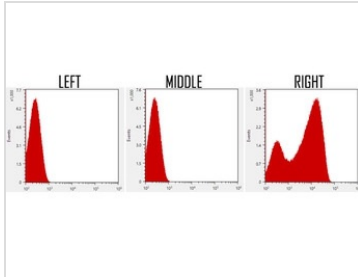
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Note

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.

DATA IMAGES



GTX05034 FCM Image

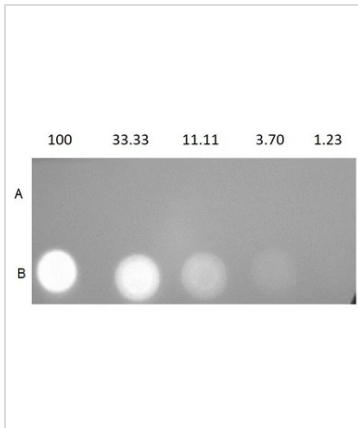
FACS analysis of the cell surface of *Saccharomyces cerevisiae* with/without biotin conjugation using GTX05034 Streptavidin (PE).

Left : Unconjugated sample (Unstained)

Middle : Unconjugated sample with GTX05034 (Negative control)

Right : Biotinylated sample with GTX05034

Dilution : 1:200



GTX05034 Dot Image

Dot blot analysis of serial diluted BSA with/without biotin conjugation using GTX05034 Streptavidin (PE).

Row A : BSA

Row B : BSA with Biotin conjugation

Dot amount :

Lane 1 : 100ng

Lane 2 : 33.33ng

Lane 3 : 11.11ng

Lane 4 : 3.70ng

Lane 5 : 1.23ng

GTX05034's dilution : 1µg/mL



For full product information, images and publications, please visit our [website](https://www.genetex.com).