



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Streptavidin (HRP)

Cat No. GTX27403

**Application** WB, IHC-P, IHC-Fr, Dot, ELISA, IM**Reference ( 1 )**  
**Package**  
500 µg

## PRODUCT

**Product Description**

Streptavidin is a tetrameric protein capable of binding 4 biotin groups to each molecule of streptavidin. While streptavidin has identical binding properties as avidin, it lacks the glycoprotein portion of the molecule and therefore shows less non-specific binding. Streptavidin is a slightly smaller molecule with a molecular weight of approximately 53.6 kDa. The sequence of avidin only shows 30% homology with streptavidin, and anti-avidin and anti-streptavidin antibodies are not immunologically cross reactive. Horseradish Peroxidase (HRP) is an enzyme that utilize organic peroxide compounds as electron donors.

## APPLICATION

**Application Note**

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

Suggested dilution	Dilution
WB	Assay dependent
IHC-P	Assay dependent
IHC-Fr	Assay dependent
Dot	Assay dependent
ELISA	Assay dependent
IM	Assay dependent

Not tested in other applications.

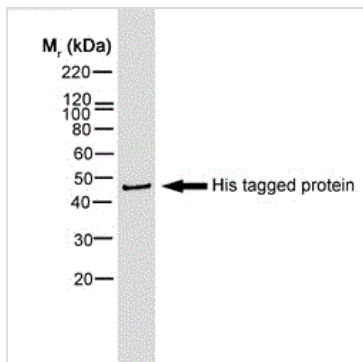
## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	0.02M Potassium Phosphate, 0.15M sodium chloride (pH 7.2).
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4° C.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Expression System</b>	Streptomyces avidinii
<b>Purification</b>	This product was prepared from chromatographically purified streptavidin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase and anti-Streptavidin. No reaction was observed against anti-Avidin.
<b>Conjugation</b>	Horseradish peroxidase(HRP)
<b>Note</b>	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



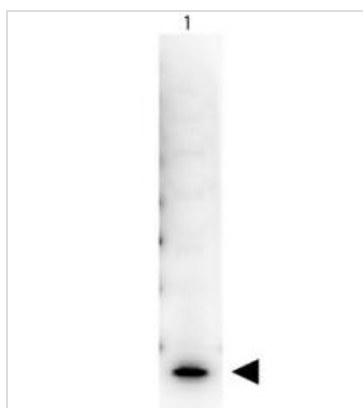
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DATA IMAGES



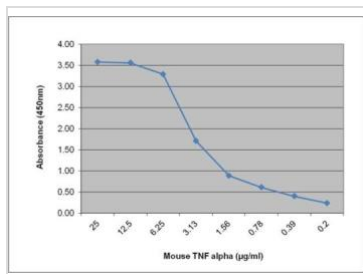
**GTX27403 WB Image**

Detection of Mouse anti histidine tag:biotin (GTX74967) in a Western blot analysis of a HIS tagged protein using Streptavidin:HRP (GTX27403)



**GTX27403 WB Image**

Western Blot of Peroxidase Conjugated Streptavidin. Lane 1: Human IL-7. Lane 2: none. Load: 50 ng per lane. Primary antibody: Human IL-7 Biotin Conjugated antibody (GTX27403) at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase Conjugated Streptavidin at 1:40,000 for 30 min at RT. Block: 5% BLOTTO 30 min at RT. Predicted/Observed size: 17 kDa, 17 kDa for Human IL-7. Other band(s): none



**GTX27403 ELISA Image**

Detection of Rabbit anti Mouse TNFα:biotin (GTX74045) in a sandwich ELISA with recombinant murine TNFα as the antigen and Rat anti Mouse TNFα as the coating antibody using Streptavidin:HRP (GTX27403)



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