



SZABO SCANDIC

Part of Europa Biosite

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

siehe unsere [Liefer- und Versandbedingungen](#)

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) 

Datasheet for A003-07

Avidin Glucose Oxidase Conjugated

Overview

Description:	Avidin Glucose Oxidase Conjugated - A003-07
Item No.:	A003-07
Size:	2 mg
Applications:	ELISA, Other

Product Details

Background:	Avidin is a biotin-binding protein found in the oviducts of egg-laying animals (birds, reptiles, and frogs) that gets deposited into the whites of their eggs. Avidin is a tetramer and can bind up to four biotin molecules (Vitamin B7) with one of the greatest known non-covalent interactions. Avidity for biotin is destroyed with heat. Glucose oxidase is an enzyme that drives the oxidation of glucose into hydrogen peroxide and D-glucono- δ -lactone. This activity is utilized in biotechnology through colorimetric detection assays that are sensitive to the amount of hydrogen peroxide produced. Avidin Glucose Oxidase Conjugated is ideal for investigators in Immunology, Cancer, Neuroscience, and Cell Biology.
Synonyms:	AvD, Avidin Biotin Complex, GOD, GOx, Avidin Glucose Oxidase Conjugated
Conjugate:	Glucose Oxidase (<i>Aspergillus niger</i>)

Target Details

Purity/Specificity:	Avidin Glucose Oxidase was prepared from chromatographically pure avidin isolated from egg white followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Avidin and anti-Glucose Oxidase.
Relevant Links:	<ul style="list-style-type: none">• A003-07 SDS• UniProtKB - P02701

Application Details

Tested Applications:	ELISA
-----------------------------	-------

Suggested Applications:	Other (Based on references)
Application Note:	Avidin Glucose Oxidase Conjugated is a useful detection reagent for primary antibodies conjugated to biotin. Avidin Glucose Oxidase Conjugated has been tested by ELISA and can be utilized in both Western Blotting and ELISA experiment formats in combination with the proper substrate (TMB-1000 or FEMTOMAX-110).
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:8,000 - 1:32,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

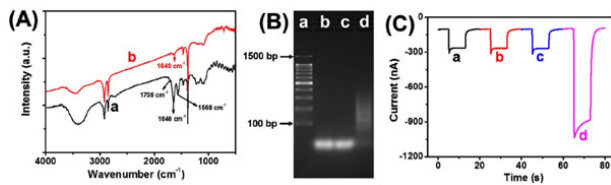
Formulation

Physical State:	Lyophilized
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

(A) FT-IR spectra of (a) MB-aDNA and (b) carboxylated MBs; (B) Gel electrophoresis (lane a: DNA marker, lane b: H1, lane c: H1 + H2, lane d: H1 + H2 + tDNA); (C) Photocurrents of (b) MB-aDNA + Apt/tDNA + H1/H2-GOx, (c) MB-aDNA + Apt/tDNA + H1/H2-GOx + glucose, (d) MB-aDNA + Apt/tDNA + H1/H2-GOx + glucose + PSA on the rGO-BiFeO₃-modified FTO in PBS (0.1 M, pH 6.0) (note: Curve 'a' gives the photocurrent of rGO-BiFeO₃-modified FTO) (1.0 ng/mL PSA used in this case). Fig 3. PMID: 29065339.



Bottle

Avidin Glucose Oxidase Conjugated

References

- Zhou Q et al. Reduced graphene oxide/BiFeO₃ nanohybrids-based signal-on photoelectrochemical sensing system for prostate-specific antigen detection coupling with magnetic microfluidic device. *Biosens Bioelectron.* (2018)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.