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Datasheet for A003-05

Avidin Alkaline Phosphatase Conjugated

Overview

Description:	Avidin Alkaline Phosphatase Conjugated - A003-05
Item No.:	A003-05
Size:	1 mg

Product Details

Background:	Avidin Alkaline Phosphatase Conjugated is suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Synonyms:	Avidin Alkaline Phosphatase Conjugated, Avidin alk phos Conjugated
Conjugate:	Alkaline Phosphatase (AP)

Target Details

Purity/Specificity:	Avidin Alkaline Phosphatase Conjugated was prepared from electrophoretically pure Avidin from egg white followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine) and anti-avidin.
Relevant Links:	• UniProtKB - P02701

Application Details

Application Note:	Avidin Alkaline Phosphatase Conjugated is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting.
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
FC:	1:500 - 1:2,500
IF:	1:1,000 - 1:5,000
IHC:	1:200 - 1:1,000

WB:	1:500 - 1:2,500

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Bottle
Avidin Alkaline Phosphatase Conjugated

References

- Yi Y et al. Nanopore-based enzyme-linked immunosorbent assay for cancer biomarker detection. *Nat Nanotechnol.* (2025)

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.