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Datasheet for ABIN964122

## Avidin Protein (AVD) (Glucose Oxidase)

### Overview

Quantity:	2 mg
Target:	Avidin (AVD)
Origin:	Chicken egg
Host:	Please inquire
Purification tag / Conjugate:	This Avidin protein is labelled with Glucose Oxidase.
Application:	ELISA, Western Blotting (WB)

### Product Details

Specificity:	Avidin Glucose Oxidase was prepared from chromatographically pure avidin 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.
Sterility:	Sterile filtered

### Target Details

Target:	Avidin (AVD)
Alternative Name:	Avidin ( <a href="#">AVD Products</a> )
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- $\delta$ -lactone. This activity is utilized in biotechnology through colorimetric detection assays that are sensitive to the amount of

## Target Details

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hydrogen peroxide produced. Avidin Peroxidase Conjugated is ideal for investigators in Immunology, Cancer, Neuroscience, and Cell Biology.

Synonyms: AvD, Avidin Biotin Complex, GOD, GOx

## Application Details

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**Application Notes:** Avidin Glucose Oxidase Conjugated is a useful detection reagent for primary antibodies conjugated to biotin. Avidin Glucose Oxidase Conjugated can be utilized in both Western Blotting and ELISA experiment formats in combination with the proper substrate (TMB-1000 or FEMTOMAX-110).

**Comment:** Avidin Glucose Oxidase Conjugated is a useful detection reagent for primary antibodies conjugated to biotin. Avidin Glucose Oxidase Conjugated can be utilized in both Western Blotting and ELISA experiment formats in combination with the proper substrate (TMB-1000 or FEMTOMAX-110).

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL

**Concentration:** 2.0 mg/mL

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C

**Expiry Date:** 12 months