

RA103GLU**Chicken Avidin -Glucose Oxidase**

Alternate names:	AVD
Quantity:	2 mg
Concentration:	2.0 mg/ml (by UV absorbance at 280 nm)
Background:	The biological function of avidin is not known. It is a homotetrameric glycoprotein found in chicken egg white, and forms a strong non covalent specific complex with biotin (one molecule of biotin per subunit of avidin).
Uniprot ID:	P02701
NCBI:	NP_990651.1
GeneID:	396260
Species:	Chicken
Source:	Egg white
Format:	State: Lyophilized purified fraction. Purity: : This product was prepared from Chromatographically pure Avidin followed by extensive dialysis against the buffer stated above. Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 10 mg/ml BSA (IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative. Label: Glucose Oxidase (Aspergillus niger GO). Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).
Applications:	Suitable for Immunoblotting (Western or Dot blot), ELISA and immunohistochemistry as well as other glucose oxidase-antibody based enzymatic assays. Recommended Dilutions: ELISA: 1/8,000-1/32,000. Western Blot: 1/500-1/2,500. Immunohistochemistry: 1/200-1/1,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Avidin Glucose Oxidase Conjugate.
Add. Information:	Assay by Immunoelectrophoresis resulted in a single precipitin arc against anti-Avidin and anti-Glucose Oxidase.
Storage:	Store vial at 2-8°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 2-8°C as an undiluted liquid. Dilute only prior to immediate use. Shelf life: one year from despatch.
General Readings:	1. Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981 (Conjugation)