



Avidin

Item Number	rAP-2615
Synonyms	Avidin, AVD, AVID.
Description	Avidin is a glycosylated polypeptide chain having a molecular mass of 68kDa and containing 4 subunits each with a binding site for biotin. The Avidin is purified by affinity chromatographic techniques. The purification procedure ensures minimal contamination by other proteins or DNA. The resulting high activity and
Uniprot Accession Number	P02701
Amino Acid Sequence	
Source	Hen's egg white.
Physical Appearance and Stability	Sterile Filtered white lyophilized powder. Lyophilized Avidin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Avidin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Greater than 92.0%.
Application	Avidin may be used to visualize biotin conjugated molecules in ELISA, blotting and histological techniques.
Solubility	It is recommended to reconstitute the lyophilized Avidin in sterile 18MΩ-cm H ₂ O not less than 100µg/ml or more than 10mg/ml solutions.
Biological Activity	16 units/mg protein, 1 unit binds 1µg biotin.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**