

## Avidin Biotin

**Description:** Avidin is a basic charged glycoprotein present in the egg white and in some extent in tissues of various animals. Avidin is a homotetrameric protein that contains 4 identical subunits which bind to Biotin with high extent of affinity and specificity consisting of 128 amino acids and has a molecular mass of about 67K Daltons. Avidin-Biotin is a modified form of affinity purified avidin that combines the high affinity specific activity of the native egg white avidin to biotin molecule together with a very low background of the streptavidin produced by the bacteria *Streptomyces avidinii*.

**Catalog #:** PRPS-453

For research use only.

**Synonyms:** Avidin, AVD, AVID.

**Physical Appearance:** Lyophilized freeze dry Powder.

**Formulation:**

Salt-free lyophilized powder with no preservative added.

**Stability:**

Store protein solution at 2-8°C.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

We highly recommended to prepare a 1 mg/ml solution; Reconstitute using cold deionized pyrogen free water and mix gently until powder is completely dissolved.

**Biological Activity:**

Binding activity of Avidin-Biotin is 10-15units/mg protein. One unit of Avidin activity is defined as the amount of protein which will bind 1

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