



## Product Datasheet

<b>Product Name</b>	Modified Affinity Purified Avidin
<b>Cata No</b>	CB501438
<b>Source</b>	
<b>Synonyms</b>	Avidin, AVD, AVID.

### 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*.

### Physical Appearance

Lyophilized freeze dry Powder.

### 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 1µg d-biotin.

### Formulation

Salt-free lyophilized powder with no preservative added.

### Reconstitution

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.

### Stability

Store protein solution at 2-8°C.

### Applications

Avidin-Biotin may be used in combination with biotin in various techniques such as ELISA, Western blotting, immunohistochemistry etc...