



# Avidin [Biotin] (DAG4331)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Modified Affinity Purified Avidin, Biotin-Conjugated
<b>Species</b>	N/A
<b>Conjugate</b>	Biotin
<b>Applications</b>	Avidin-Biotin may be used in combination with biotin in various techniques such as ELISA, Western blotting, immunohistochemistry etc.
<b>Reconstitution</b>	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.
<b>Bio-activity</b>	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 1ug d-biotin.
<b>Format</b>	lyophilized
<b>Size</b>	2 mg, 10 mg, 100 mg
<b>Preservative</b>	None
<b>Storage</b>	Store protein solution at 2-8°C.

## BACKGROUND

<b>Introduction</b>	Avidin is a tetrameric biotin-binding protein produced in the oviducts of birds, reptiles and amphibians deposited in the whites of their eggs. In chicken egg white, avidin makes up approximately 0.05% of total protein (approximately 1.8 mg per egg). The tetrameric protein contains four identical subunits (homotetramer), each of which can bind to biotin (Vitamin B7, vitamin H) with a high degree of affinity and specificity.
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