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## Data Sheet

# Avidin

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<b>Description</b>	<b>Avidin is a tetrameric biotin binding protein (<math>K_D</math> for biotin <math>&gt; 10^{-14}</math>) extracted from egg white, which does not bind to Strep-tag®II or Twin-Strep-tag®.</b>
<b>Activity</b>	>11 U/mg (determined by HABA dye binding method) Unit definition: 1 U avidin binds 1 µg biotin
<b>Form</b>	Powder
<b>Molecular weight</b>	~17 kDa (monomer)
<b>Stability</b>	12 months after shipping
<b>Storage</b>	Recommended: 2-8 °C
<b>Shipping</b>	Room temperature
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
<b>Application</b>	Culture media often contain significant amounts of biotin. This is especially the case for mammalian or insect cell culture media. Thus, if proteins from biotin containing extracts or media are intended to be purified via Strep-Tactin®, biotin must be masked by the addition of avidin prior to purification. Add at least 1 U of BioLock solution per µg of biotin. However, the biotin concentration in most cell culture supernatants is not critical for the binding capacity of Strep-Tactin®XT and supernatant can be loaded directly on the resin. Information on the biotin content of media and hosts can be obtained from the Biotin Blocking Protocol.

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