



IBA Lifesciences GmbH
Rudolf-Wissell-Str. 28
37079 Goettingen
Germany
Tel.: +49 (0) 551-5 06 72-0
E-mail: info@iba-lifesciences.com
www.iba-lifesciences.com

Data Sheet

Avidin

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Description	Avidin is a tetrameric biotin binding protein (K_D for biotin $> 10^{-14}$) extracted from egg white, which does not bind to Strep-tag®II or Twin-Strep-tag®.
Activity	>11 U/mg (determined by HABA dye binding method) Unit definition: 1 U avidin binds 1 µg biotin
Form	Powder
Molecular weight	~17 kDa (monomer)
Stability	12 months after shipping
Storage	Recommended: 2-8 °C
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
Application	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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