

Data Sheet

Avidin

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Lot No.: 0204 -

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Description	Avidin is a tetrameric biotin binding protein (K_D for biotin $> 10^{-14}$) from egg white which does not bind to the Strep-tag. Cultivation media often contain significant amounts of biotin. E.g. media for insect cell cultivation contain about 800 nmol biotin per liter medium. Furthermore, the total biotin content of the soluble part of the total <i>E. coli</i> cell lysate is about 1 nmol per liter culture ($OD_{550} = 1.0$). Thus, if proteins from biotin containing extracts or media are intended to be purified via <i>Strep</i> -Tactin chromatography, biotin must be masked by the addition of avidin prior to the application onto the column. Add at least 1 nmol of avidin monomer per nmol of biotin.
Activity	> 11 U/mg (determined by HABA dye binding method) Unit definition: 1 U avidin binds 1 μ g biotin
MW	~17000 Da (monomer)
Stability	12 months after shipping
Storage	-20°C, solutions in dilute buffers are stable at +4°C
Shipping	Room temperature
Remarks	Toxicity not reported. Could provoke allergic skin reactions.

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