

Active Native Chicken Egg White Avidin

Cat. No. Avidin-155C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified Native Chicken Egg White Avidin. CAS Number: 1405-69-2; E.C. Number: 215-783-6
Species	Chicken
Source	Chicken Egg White
Description	Avidin is a tetrameric protein. 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. Avidin's affinity for biotin is exploited in wide ranging biochemical assays, including Western Blot, ELISA, ELISPOT and pull-down assays. Avidin immobilized onto solid supports is also used as purification media to capture biotin-labelled protein or nucleic acid molecules. For example, cell surface proteins can be specifically labelled with membrane impermeable biotin reagent, then specifically captured using an avidin-based support.
Form	Lyophilized
Bio-activity	>10 U/mg powder
Unit Definition	Amount of Avidin that will bind one microgram of d-biotin.
Storage	2-8 centigrade.

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Concentration	≥ 0.98 mg/mg solid
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