DATASHEET
Version 20181206

Streptavidin

Cat. No.: Z02043-5

Size: 5.0 mg

Synonyms: Streptavidin;

Description:

Streptavidin is a biotin-binding protein found in the culture broth of the bacterium *Streptomyces avidinii*. Streptavidin can bind to four moles of biotin per mole of protein,and it shows extremely high affinity, approximately 10,000-15,000 Da. Streptavidin lacks the carbohydrate side chains present on avidin and has an isoelectric point of 6.5 to avidin's 10 far closer to that at which most useful biological interactions occur. As a result, Streptavidin frequently exhibits much lower non-specific binding than avidin does.

Source: *E. coli*

Biological Activity: >15 U/mg protein, 1 U is defined as the quantity of protein that binds 1 microgramme

Molecular Weight: 13,500 Da

Purity: This product is affinity purified by 2-IminoBiotin Resin (GenScrtipt□Cat. No. L00272) with the purity more than 95% and shows predominantly a single band by SDS-PAGE.

Storage: The powder may be stored at 4°C for several weeks. For long-term storage, store at -20°C.

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