

## Streptavidin(C-line)

Cat. No. Streptavidin-930S Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Streptomyces avidinii was first isolated from the broth culture of Streptomyces avidinii as a biotin binding protein. Similar to Avidin, streptavidin consists of four identical subunits in a tetramer, each of which can bind biotin, that is, one molecule of streptavidin can bind four molecules of biotin, and the binding force is very high (Kd~10-15). Compared with avidin, streptavidin has a low isoelectric point and does not contain a sugar group, so its non-specific binding is much lower than that of avidin when used in antigen-antibody detection systems.

**Species** Streptomyces avidinii

**Source** E.coli

**Tag** Non

**Form** 20mM PB, pH7.4

**Bio-activity**  $\geq 16.0\text{U/mg}$ (1U is bound to 1 $\mu\text{g}$  biotin)

**Storage** Store at 2-8°C, after packaging can be frozen below -20°C, but to avoid repeated freezing and thawing.

**Concentration** 5mg/mL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA