

**Product:** Streptavidin  
**Catalog #:** 05-52151  
**Amount:** 0.5mg

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**DESCRIPTION:**

Streptavidin is a non-glycosylated polypeptide chain having a molecular mass of 240 kDa and containing 4 subunits each with a binding site for biotin. The Streptavidin is isolated by purification from fermentation broth. The neutral isoelectric point of Streptavidin and the high affinity of the biotin-streptavidin interaction results in a very quick reaction with a high signal to noise ratio. Streptavidin does not react unspecifically with endogenous lectins when used in immunological assays on cells and tissues. Streptavidin is non- or very low charged around pH 7, reducing NSB to charged molecules to a very limited level.

**SOURCE:**

*Streptomyces avidinii*

**ENDOTOXIN:**

Less than 0.1 ng/μg (IEU/μg) of rStrptavidin

**ACTIVITY:**

> 13 U/mg, 1 unit binds 1 μg biotin

**FORM:**

Purified, in 1 mM MgCl<sub>2</sub>, 0.1 mM ZnCl<sub>2</sub>, 30 mM Triethanolamine, pH 7.6

**APPLICATION:**

Avidin may be used to visualize biotin conjugated molecules in ELISA, Blotting and histological techniques

**STORAGE:**

-20°C (aliquot), avoid freezing and thawing cycles

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