

Catalog# BP-50159

Streptavidin

Description: Streptavidin is a 52.8 kD tetrameric protein obtained from *Streptomyces avidinii*. It binds to biotin with a very high affinity and is one of the strongest interactions in nature with a dissociation constant of 10⁻¹⁴ mol/L. It is used in a wide range of applications including ELISA, flow cytometry, molecular biology, and bionanotechnology.

Product Details	
Reactivity	Bind to Biotin
Source	<i>E. coli</i>
Type	Recombinant
Specific Activity	>15.0 U/mg protein
M.W.	52.800
Measurement	A280 of 0.1% solution: 3.2
Isoelectric point (pI)	6.8 to 7.5
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/ml
Purification	N/A
Storage buffer	20 mM Sodium Borate, pH8.0
Storage conditions	4°C for short time, -20°C or -80°C for long time.