

## Data Sheet

# Strep-Tactin® conjugated to horse radish peroxidase

Cat. No.: 2-1502-001; 2-1502-002

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Lot No.:

<b>Description</b>	Strep-Tactin® labeled with peroxidase (2- 2.5 moles per mole Strep-Tactin®). Strep-Tactin®* is a streptavidin variant which has been specially optimized for the binding to Strep-tag®II and Twin-Strep-tag® fusion proteins.
<b>Form</b>	Suspension in PBS containing approximately 5 mg/ml bovine serum albumin as well as stabilizing agents (see MSDS for details).
<b>Protein content</b>	0.95 - 1.05 mg/ml conjugate (Bradford dye binding assay)
<b>Peroxidase activity</b>	800 - 1100 ABTS units per mg conjugate (Unit definition: one unit is the enzyme activity which oxidizes 1 µmole 2,2'-azino-bis(3-azinobenz-thiazoline-6-sulfonic acid) per min under assay conditions (25°C, pH 5.0)
<b>Dilutions</b>	Dilute 1:10 000 or higher for detection of Strep-tag®II fusion proteins coated to microplates. Dilute 1:4 000 or higher for chromogenic and 1:100 000 for chemiluminescence detection of Strep-tag®II fusion proteins after Western blotting.
<b>Stability</b>	12 months after shipping
<b>Storage</b>	recommended: 2- 8 °C <b>Do not freeze!</b>
<b>Shipping</b>	room temperature
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

\* Voss, S. &Skerra, A. (1997) Mutagenesis of a flexible loop in streptavidin leads to higher affinity for the *Strep-tag* II peptide and improved performance in recombinant protein purification. *Protein Eng.* 10, 975-982.



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