

## Data Sheet

# Strep-Tactin® conjugated to alkaline phosphatase

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<b>Description</b>	Strep-Tactin® labeled with alkaline phosphatase (min. 2 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 buffer pH 8.0 : 50 mM Tris-HCl ; 0.1 M NaCl ; 1 mM MgSO <sub>4</sub> ; 0.1 mM ZnCl <sub>2</sub> ; 0.1 % (w/v) NaN <sub>3</sub> ; 10 mg/ml bovine serum albumin
<b>Protein content</b>	0.175-0.185 mg/ml conjugate (Bradford dye binding assay)
<b>Alkaline phosphatase activity</b>	1500 - 2000 units per mg (DEA Units, Unit definition: one unit is the enzyme activity which dephosphorylates 1 µmole of orthophosphoric monoester per min under assay conditions (25°C, pH 9.8)
<b>Dilutions</b>	Dilute 1:4000 or higher for chromogenic 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>Shipment</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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