

## Data Sheet

# Strep-Tactin® Sepharose®

## 50% suspension

Cat. No.: 2-1201-002, 2-1201-010,  
2-1201-025, 2-1201-500

Lot No.: 1201-

Version: 11.3  
Revision Date: 25.02.2020

<b>Description</b>	Immobilized streptavidin variant called Strep-Tactin® (5 mg/ml resin) which has been especially optimized for the purification of Strep-tag®II fusion proteins*.
<b>Support</b>	Sepharose 4 FF, 4 % agarose
<b>Form</b>	50 % suspension in buffer, pH 8.0 : 100 mM Tris-HCl pH 8.0, 1 mM EDTA, 150 mM NaCl, 0.02% sodium azide.
<b>Biotin binding activity</b>	> 300 nmol/ml resin
<b>Stability</b>	6 months after shipping
<b>Storage</b>	recommended: 2- 8 °C
<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.

<b>Application</b>	<b>Important note:</b> To allow an efficient Strep-tag®/Strep-Tactin® binding we strongly recommend using column purification instead of batch applications for proteins fused to Strep-tag®II. It is crucial that protein binding takes place on the column. Even a pre-incubation of resin and lysate prior to filling the resin into a column will lead to decreased protein yields. Batch purification should be performed using Twin-Strep-tag® in combination with MagStrep "type3" XT beads only. Further, prolonged batch incubations increase the risk of proteolytic degradation of the target protein including cleavage of the tag.
<b>Elution</b>	Strep-Tactin® Elution Buffer with Desthiobiotin (Buffer E), pH 8.0: 100 mM Tris-HCl, 150 mM NaCl, 1 mM EDTA, 2.5 mM desthiobiotin It may be advantageous to use 5-10 mM desthiobiotin to get the target protein eluted at higher concentration.
<b>Regeneration</b>	Strep-Tactin® Regeneration Buffer with HABA; Buffer R If HABA cannot be efficiently removed from Strep-Tactin Sepharose by using Buffer W, we recommend using Buffer W at pH 10.5 (or alternatively 100 mM Tris base) for efficient removal of HABA.

\* 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.

### For research use only

#### Important licensing information

This product is based on Strep-Tactin technology covered by intellectual property (IP) rights and on completion of the sale IBA grants respective Limited Use Label Licenses to purchaser. IP rights and Limited Use Label Licenses for said technology are further described and identified at <http://www.iba-lifesciences.com/patents.html> or upon inquiry at [info@iba-lifesciences.com](mailto:info@iba-lifesciences.com) or at IBA GmbH, Rudolf-Wissell-Str. 28, 37079 Goettingen, Germany. By use of this product the purchaser accepts the terms and conditions of all applicable Limited Use Label Licenses.

#### Trademark information

The owners of trademarks marked by "®" or "TM" are identified at <http://www.iba-lifesciences.com/patents.html>. Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.



Go digital and help the environment. Please download all up-to-date manuals, protocols and other material from <http://www.iba-lifesciences.com>.