



# STREP-TAG® TECHNOLOGY FOR CELL & PROTEIN ISOLATION

## Key features:

- › Gentle purification method for cells and proteins
- › One-step affinity chromatography isolation method
- › Highly specific reversible interaction
- › Full functionality and high purity of target material

Twin-Strep-tag®



Strep-Tactin®/  
Strep-Tactin®XT

The Strep-tag® technology is based on the specific interaction between two affinity tags (Strep-tag®II and Twin-Strep-tag®) and two engineered streptavidin variants (Strep-Tactin® and Strep-Tactin®XT).

**The versatile Strep-tag® system covers all steps from target genes to functional proteins and further analysis.**

## One system for:

- › Protein Purification
- › Protein Staining & Detection
- › Protein Interaction Analysis
- › Cell Isolation & Staining
- › T Cell Stimulation & Expansion



[Learn more about the Strep-tag® technology from this webinar](#)

## PROTEIN PURIFICATION

The Strep-tag® system enables cloning, expression, detection, purification, as well as further analysis of recombinant proteins. The highly specific interaction of the Strep-tag®II with Strep-Tactin® ensures efficient one-step purification of the protein of interest in unparalleled purity even from crude cell lysates.



Cartridge/FPLC-/HPLC-Column



Gravity Flow Column



50% Suspension



Magnetic Beads

| Product number | Product name                            | Content   |
|----------------|---|-----------|
| 16660854       | Strep-Tactin®XT 4Flow® starter kit      | 1 kit     |
| 16664714       | Strep-Tactin®XT 4Flow® suspension       | 4 ml      |
| 16674714       | Strep-Tactin®XT 4Flow® suspension       | 20 ml     |
| 16684714       | Strep-Tactin®XT 4Flow® suspension       | 50 ml     |
| 16694714       | Strep-Tactin®XT 4Flow® column           | 5x 0.2 ml |
| 16604724       | Strep-Tactin®XT 4Flow® column           | 1 ml      |
| 17265794       | Strep-Tactin®XT 4Flow® cartridge        | 1 ml      |
| 17275794       | Strep-Tactin®XT 4Flow® cartridge        | 5 ml      |
| 15362006       | MagStrep "type3" XT beads               | 2 ml      |
| 16554594       | MagStrep "type3" XT beads               | 10 ml     |
| 12813206       | Buffer W (10x), washing buffer          | 100 ml    |
| 15878907       | Buffer BXT (10x), elution buffer        | 25 ml     |
| 16654714       | Buffer XT-R, regeneration buffer        | 250 ml    |
| 17044437       | Strep-Tactin®XT purification buffer set | 1 set     |

Other resins with different specifications available.

## PROTEIN STAINING AND DETECTION

We offer highly selective, murine monoclonal antibodies for detection of strep-tagged fusion proteins in applications such as western blots, FACS, immunocytochemistry, immunohistochemistry or ELISA. Strep-Tactin®/ Strep-Tactin®XT conjugates with fluorescent dyes bind with high affinity and specificity to strep-tagged proteins for protein staining.



StrepMAB-Classical  
Antibody Conjugates



StrepMAB-Immo  
Antibody Conjugate

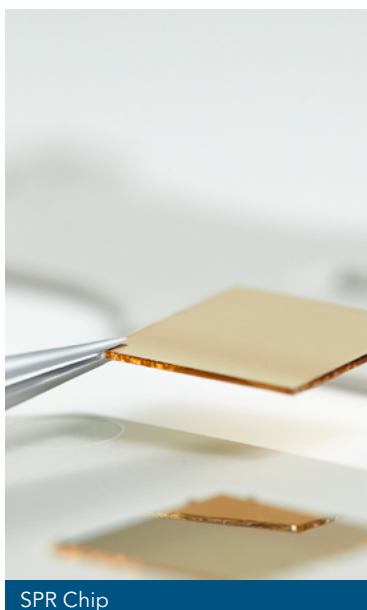


Strep-Tactin®  
Conjugates

| Product number | Product name                              | Content |
|----------------|---|---------|
| 12608257       | StrepMAB-Classical, purified, lyophilized | 100 µg  |
| 12618257       | StrepMAB-Classical, HRP conjugate         | 75 µl   |
| 12676817       | StrepMAB-Immo, purified, lyophilized      | 100 µg  |
| 12698247       | Strep-Tactin® HRP conjugate               | 0.5 ml  |
| 12806516       | Strep-Tactin® AP conjugate                | 0.5 ml  |

## PROTEIN INTERACTION ANALYSIS

Due to the outstanding high affinity of the Twin-Strep-tag® to Strep-Tactin®XT (pM range), Strep-Tactin®XT is very well suited for biomolecular interaction analysis techniques such as Surface Plasmon Resonance (SPR) or Biolayer interferometry (BLI).



SPR Chip




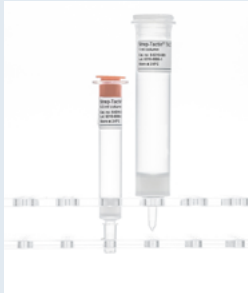


BLI Coupling Kit

| Product number | Product name   |
|----------------|--|
| 15989190       | Twin-Strep-tag® capture kit<br>(for SPR)                       |
| 17287730       | Twin-Strep-tag® capture kit, maxi<br>(for SPR)                 |
| 17580655       | Strep-Tactin® XT BLI coupling kit for coating of<br>biosensors |

## CELL ISOLATION AND STAINING

We offer three different methods for label-free cell isolation: Affinity chromatographic, magnetic and fluorescent cell separation.

| FLUORESCENT<br>CELL SORTING   | MAGNETIC CELL<br>ISOLATION  | AFFINITY CHROMATOGRAPHIC<br>CELL ISOLATION   |   |
|---|---|--|---|
|  |  |  |  |
| Strep-Tactin®<br>PE/APC   | Strep-Tactin®<br>Magnetic Microbeads  | Strep-Tactin® TACS<br>Agarose Suspension   | Strep-Tactin® TACS<br>Agarose Columns   |

| Product number | Product name                          | Content |
|----------------|---------------------------------------|---------|
| 15653888       | Strep-Tactin® PE                      | 50 µl   |
| 15663888       | Strep-Tactin® APC                     | 50 µl   |
| 16441485       | Strep-Tactin® magnetic microbeads     | 750 µl  |
| 17247750       | Strep-Tactin® TACS agarose suspension | 4 ml    |
| 17257750       | Strep-Tactin® TACS agarose suspension | 20 ml   |
| 17267750       | Strep-Tactin® TACS agarose suspension | 50 ml   |
| 17287590       | Strep-Tactin® TACS agarose column     | 0.3 ml  |
| 17227750       | Strep-Tactin® TACS agarose column     | 1 ml    |
| 17207600       | Biotin stock solution                 | 1 ml    |
| 17237750       | Buffer CI (10x)                       | 85 ml   |

## T CELL STIMULATION AND EXPANSION

The Strep-tag® technology for T cell stimulation and expansion enables controllable stimulation through removable reagents.



| Product number | Product name                   |
|----------------|--------------------------------|
| 17247610       | CD3/CD28 Streptamer kit, human |
| 17540655       | CD3/CD28 Streptamer kit, mouse |