

STREP-TAG®/STREP-TACTIN®XT FOR PROTEIN APPLICATIONS

Key features:

- › Simple and fast purification methods
- › High affinity and specific binding, but fully reversible
- › Full functionality and high purity of target protein



Twin-Strep-tagged recombinant protein



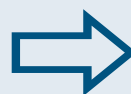
Strep-Tactin®XT

IBA's proprietary Strep-tag®/Strep-Tactin®XT system is based on the specific but reversible interaction between two affinity tags (Strep-tag®II and Twin-Strep-tag®) and engineered streptavidin variants like Strep-Tactin®XT.

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

One system for:

- › Cloning & Expression
- › Purification
- › Staining & Detection
- › Immobilization
- › Protein Analysis



[Learn more about the use of our products](#)

PROTEIN PURIFICATION AND ANALYSIS

PURIFICATION



Products

Protein purification via Twin-Strep-tag[®], Strep-tag[®]II or biotinylated proteins by **affinity chromatography**

Various sizes and formats: **resins, gravity flow columns, spin columns, FPLC columns (for Äkta), magnetic beads**, as well as **kits** and required **buffers**

Tag ligands: **Strep-Tactin[®], Strep-Tactin[®] XT**

STAINING & DETECTION

Products

Various possible **detection reagents** for Twin-Strep-tag[®] and Strep-tag[®]II

Applications: **western blots, FACS, immunocytochemistry, immunohistochemistry and ELISA**

Detector/Ligand: **Antibodies** (StrepMAB-Immo and -Classic), **Strep-Tactin[®] or Strep-Tactin[®] XT**

Conjugates: AP, HRP, PE, APC, DY-488, DY-549, DY-649



IMMOBILIZATION & PROTEIN ANALYSIS



Products

High-affinity immobilization of Twin-Strep-tag[®] and Strep-tag[®]II proteins

Applications: **BLI, ELISA, SPR, surface coating**

Ready-to-use microplates coated with Strep-Tactin[®] or Strep-Tactin[®]XT for assays

Unconjugated streptavidin for surface coating

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® with Strep-Tactin®XT ensures efficient purification of the protein of interest in unparalleled purity even from crude cell lysates. For every approach the optimal format and sizes can be chosen.



FPLC-/HPLC- Column



Gravity Flow Column



50% Suspension



Magnetic Beads

Product number	Product name	Content
2-5998-000	Strep-Tactin®XT 4Flow® starter kit	1 kit
2-5030-002	Strep-Tactin®XT 4Flow® high capacity suspension	4 ml
2-5030-010	Strep-Tactin®XT 4Flow® high capacity suspension	20 ml
2-5030-025	Strep-Tactin®XT 4Flow® high capacity suspension	50 ml
2-5031-005	Strep-Tactin®XT 4Flow® high capacity gravity flow column	5x 0.2 ml
2-5032-001	Strep-Tactin®XT 4Flow® high capacity gravity flow column	1 ml
2-5027-001	Strep-Tactin®XT 4Flow® high capacity FPLC column	1 ml
2-5028-001	Strep-Tactin®XT 4Flow® high capacity FPLC column	5 ml
2-5090-002	MagStrep® Strep-Tactin®XT beads	2 ml
2-5090-010	MagStrep® Strep-Tactin®XT beads	10 ml
2-1003-100	Buffer W (10x), washing buffer	100 ml
2-1042-025	Buffer BXT (10x), elution buffer	25 ml
2-1045-250	Buffer XT-R, regeneration buffer	250 ml
2-1043-000	Strep-Tactin®XT purification buffer set	1 set
2-1016-002	Biotin	2 g

Other resins with different specifications available.

PROTEIN STAINING AND DETECTION

For detection of Strep-tagged fusion proteins on western blots, ELISA, FACS, ICC or IHC we offer highly specific monoclonal antibodies and Strep-Tactin®XT conjugates.



StrepMAB-Classik
Antibody Conjugates



StrepMAB-Immo
Antibody Conjugate



Strep-Tactin®
Conjugates

Product number	Product name	Content
2-1507-001	StrepMAB-Classik, purified, lyophilized	100 µg
2-1509-001	StrepMAB-Classik, HRP conjugate	75 µl
2-1517-001	StrepMAB-Immo, purified, lyophilized	100 µg
2-1502-001	Strep-Tactin® HRP conjugate	0.5 ml
2-1503-001	Strep-Tactin® AP conjugate	0.5 ml

PROTEIN 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).



BLI Coupling Kit



Twin-Strep-tag® Capture Kit for SPR

Product number	Product name
2-4370-000	Twin-Strep-tag® capture kit (for SPR)
2-4370-010	Twin-Strep-tag® capture kit, maxi (for SPR)
2-4380-000	Strep-Tactin® XT BLI coupling kit for coating of biosensors

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