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## Data Sheet

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### ALFA Selector ST

Catalog No.	N1511
Resin $\mu$ L	1000
Slurry $\mu$ L	2000

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### Description

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ALFA Selector ST (super tight) is based on a high-affinity single-domain antibody (sdAb) that is covalently immobilized on 4 % cross-linked agarose beads. It binds the ALFA tag (SRLEEELRRRLTE) with an affinity of 26 pM. The innovative, oriented and selective attachment via a flexible linker guarantees a high accessibility of the sdAbs. Due to the single-chain nature of sdAbs and their stable and covalent attachment, no leakage of light and heavy chains is observed during elution with SDS sample buffer. ALFA Selector ST thus features high affinity and superior capacity for ALFA fusion proteins while showing negligible unspecific background. The ALFA-tagged fusion protein can be eluted from the ALFA Selector ST by acidic elution (150 mM glycine pH 2.2, 150 mM NaCl) or SDS sample buffer.

ALFA Selector is compatible not only with physiological buffers but also with high stringency buffers (see "Buffer Compatibility" below). ALFA Selector thus provides great freedom to adjust the binding and washing conditions to the experimental needs.

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**To be used *in vitro* / for research only,  
not for diagnostic or therapeutic use!**

**Non-toxic, non-hazardous, non-infectious.**

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**Properties**

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<b>Support</b>	4 % cross-linked agarose, bead size 50-150 µm
<b>Coating</b>	sdAb anti-ALFA ST (1G5)
<b>Reactivity</b>	Recognizes the ALFA tag (SRLEEEELRRRLTE)
<b>Capacity</b>	> 4 µg ALFA-tagged GFP per µl of packed beads
<b>Formulation</b>	50 % slurry in PBS containing 20 % Ethanol
<b>Shipment</b>	Shipped at ambient temperature
<b>Storage</b>	Store at 4 °C, do not freeze
<b>Stability</b>	Stable for 12 months
<b>Buffer</b>	• Common buffer substances at pH 5 to 9
<b>Compatibility</b>	• 2% Triton X-100, 1% Tween-20, 1% NP-40, 1% CHAPS, 1% Deoxycholate • 4 M NaCl, 2 M KCl, 1 M MgCl <sub>2</sub> , 100 mM EDTA • 4 M urea • 10 mM DTT, 10 mM 2-Mercaptoethanol • RNase A, DNase I, Benzonase, protease inhibitors

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For more information please visit our web page at [www.nano-tag.com](http://www.nano-tag.com)

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