
Data Sheet

ALFA Selector PE

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|----------------|-------|
| Catalog No. | N1510 |
| Resin μ L | 1000 |
| Slurry μ L | 2000 |

Description

ALFA Selector PE (peptide elutable) is based on a high-affinity single-domain antibody (sdAb) that is covalently immobilized on 4 % cross-linked agarose beads. The innovative, oriented and selective attachment via a flexible linker guarantees a high accessibility of the sdAbs and largely eliminates batch-to-batch variations. 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 PE 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 PE in 200 μ M peptide elution buffer within a 15 min incubation at ambient temperature.

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.

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

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

Properties

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

For more information please visit our web page at www.nano-tag.com

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