
Data Sheet

ALFA Selector CE

Catalog No.	N1512
Resin μ L	1000
Slurry μ L	2000

Description

ALFA Selector CE (for "cold elutable") is an innovative affinity resin designed for the highly efficient purification of native ALFA-tagged target proteins at low temperature in physiological buffers. ALFA Selector CE is based on a single-domain antibody (sdAb) that is covalently immobilized on 4% cross-linked agarose beads. It binds the ALFA-tag (SRLEEELRRRLTE) with an affinity of 100 nM. ALFA Selector CE is optimized for an efficient competitive elution using physiological buffers at low temperatures (4 °C) using ALFA elution peptide. For this purpose, every unit of ALFA Selector CE is supplied with 10 mg of ALFA elution peptide, which is sufficient for 25 mL of elution buffer. Alternatively, elution can be performed under acidic or denaturing conditions.

ALFA Selector CE can be regenerated using acid or basic conditions (100 mM Glycine pH 2.2, 150 mM NaCl or 100 mM NaOH, respectively) and does not loose capacity even after 10 regeneration cycles.

ALFA Selector is compatible not only with physiological buffers but also with high stringency buffers (see "Buffer Compatibility" below).

**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 μm
Coating	sdAb anti-ALFA CE (1G5 variant)
Reactivity	Recognizes the ALFA tag (SRLEEELRRRLTE)
Capacity	> 4 μg ALFA-tagged GFP per μl of packed beads
Formulation	50 % slurry in PBS containing 20 % Ethanol
Shipment	Shipped at ambient temperature
Storage	Store at 4 $^{\circ}\text{C}$, do not freeze
Stability	Stable for 12 months
Buffer	<ul style="list-style-type: none">• Common buffer substances at pH 5 to 9
Compatibility	<ul style="list-style-type: none">• 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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