
Data Sheet

MBP Selector

Catalog No.	N0110
Resin μ L	1000
Slurry μ L	2000

Description

MBP Selector 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. MBP Selector thus features high affinity and superior capacity for MBP fusion proteins while showing negligible unspecific background.

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

For recommended protocols please see our webpage at www.nano-tag.com/protocols.

**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-MBP clone 1G5
Reactivity	Recognizes <i>E.coli</i> maltose-binding protein (MBP)
Capacity	> 2.5 μ g MBP 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, 0.1% SDS • 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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