

Datasheet for ABIN5311512

BFP-Catcher[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	2000 µL
Target:	Blue Fluorescent Protein (BFP)
Reactivity:	Entacmaea quadricolor
Expression System:	E.coli
Application:	RNA-Binding Protein Immunoprecipitation (RIP), Protein Complex Immunoprecipitation (Co-IP), Immunoprecipitation (IP), Purification (Purif), Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	BFP-Catcher is based on a high-affinity single-domain antibody (sdAb) that is covalently immobilized on 4% cross-linked agarose beads.
Sample Type:	Cell Extracts
Specificity:	Recognizes mTagBFP, mKate, mKate2, mTagRFP, mTagRFP657 and most common fluorescent proteins deriving from Entacmaea quadricolor
Cross-Reactivity (Details):	Does not cross-react with common GFP- or dsRed derivatives.
Characteristics:	<p>BFP-Catcher 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 covalent attachment, no "leakage" of light and heavy chains from IgGs is observed during elution with SDS sample buffer. BFP-Catcher thus features high affinity and superior capacity for BFP fusion proteins while showing negligible non-specific background.</p> <p>BFP-Catcher is compatible not only with physiological buffers but also with high stringency</p>

Product Details

buffers.

BFP-Catcher thus provides great freedom to adjust the binding and washing conditions to the experimental needs.

Components:	4 % cross-linked agarose (bead size 50-150 µm) with covalently immobilized single-domain antibody
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Material not included:	wash buffers, columns, tubes
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Bead Ligand:	Antibody
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Bead Matrix:	Agarose beads
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Bead Size:	90 µm
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Target Details

Target:	Blue Fluorescent Protein (BFP)
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Alternative Name:	TagBFP (BFP Products)
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Application Details

Application Notes:	<p>Coating: sdAb anti-BFP clone 1H7</p> <p>Matrix: 4 % cross-linked agarose, bead size 50-150 µm</p> <p>Capacity: > 4 µg BFP per µl of packed beads (= 2 µL of slurry)</p> <p>Buffer Compatibility:</p> <ul style="list-style-type: none">• Common buffer substances at pH 5 to 9• 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 MgCl₂, 100 mM EDTA• 4 M urea• 10 mM DTT, 10 mM 2-Mercaptoethanol• RNase A, DNase I, Benzonase, protease inhibitors
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Restrictions:	For Research Use only
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Handling

Buffer:	50 % slurry in PBS containing 20 % Ethanol
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Storage:	4 °C
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Storage Comment:	Store at 4 °C, do not freeze
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Expiry Date:	12 months
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Product cited in: Devant, Boršić, Ngwa, Xiao, Chouchani, Thiagarajah, Hafner-Bratkovič, Evavold, Kagan: "Gasdermin D pore-forming activity is redox-sensitive." in: **Cell reports**, Vol. 42, Issue 1, pp. 112008, (2023) ([PubMed](#)).

