

Datasheet for ABIN7272855

GFP-Catcher (agarose magnetic beads)



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1 Image

Overview

Quantity:	2000 µL
Target:	GFP
Reactivity:	Aequorea victoria
Host:	Alpaca
Application:	RNA-Binding Protein Immunoprecipitation (RIP), Protein Complex Immunoprecipitation (Co-IP), Immunoprecipitation (IP), Purification (Purif), Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	GFP-Catcher is based on a high-affinity single-domain antibody (sdAb) that is covalently immobilized on 4% cross-linked magnetic agarose.
Specificity:	GFP (green fluorescent protein) and common GFP derivatives like EGFP, mEGFP, Sirius, tSapphire, Cerulean, eCFP, mTurquoise, acGFP, Emerald, superecliptic pHluorin, paGFP, superfolder GFP, eYFP, mVenus and Citrine. Other not tested.
No Cross-Reactivity:	dsRed, mRFP, mTagBFP or their most common derivatives., Does not cross-react with mCherry
Characteristics:	<p>GFP-Catcher is based on a high-affinity single-domain antibody (sdAb) that is covalently immobilized on 4 % cross-linked magnetic 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.</p> <p>GFP-Catcher thus features high affinity and superior capacity for GFP fusion proteins while showing negligible non-specific background.</p>

Product Details

GFP-Catcher immobilizes a wide range of GFP derivatives.

GFP-Catcher is compatible not only with physiological buffers but also with high stringency buffers.

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

Material not included: wash buffers, columns, tubes

Bead Ligand: Antibody

Bead Matrix: Magnetic Agarose beads

Bead Size: 90 µm

Target Details

Target: GFP

Alternative Name: GFP ([GFP Products](#))

Application Details

Application Notes: Coating: sdAb anti-GFP clone 1H1
Matrix: 4 % cross-linked magnetic agarose, bead size 50-150 µm
Capacity: > 3 µg GFP per µl of packed beads (= 2 µL of slurry)
Buffer Compatibility:

- 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

Comment: 4% cross-linked magnetic agarose (bead size 50-150 µm) with covalently immobilized single-domain antibody

Restrictions: For Research Use only

Handling

Buffer: 50 % slurry in PBS containing 20 % Ethanol

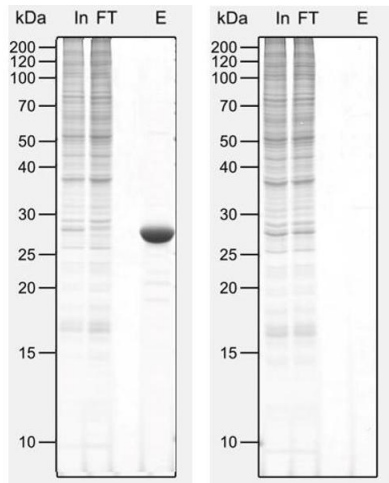
Storage: 4 °C

Handling

Storage Comment: Store at 4°C for up to 12 months. Do not freeze!

Expiry Date: 12 months

Images



Immunoprecipitation

Image 1. Left: Immunoprecipitation of GFP from E.coli lysate. Right: Immunoprecipitation from E.coli lysate in absence of GFP. In/FT: 1/500 of input and flow through material. E: Eluate from 1 μ L of beads.