Datasheet for ABIN7272855

GFP-Catcher (agarose magnetic beads)

1 Image

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Overview

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

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 fuorescent 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:	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. GFP-Catcher thus features high affinity and superior capacity for GFP fusion proteins while

Product Details

	showing negligible non-specific background. 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

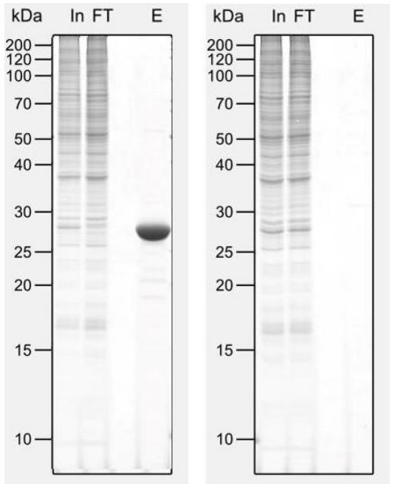
Handling

Buffer:	50 % slurry in PBS containing 20 % Ethanol

Handling

Storage:	4 °C
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 µL of beads.