Datasheet for ABIN5311504

MBP-Catcher

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Overview

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

Product Details

Sample Type:	Cell Extracts
Specificity:	The Antibody with Clone 1G5 recognizes E.coli maltose-binding protein (MBP)
Characteristics:	MBP-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. MBP-Catcher thus features high affinity and superior capacity for MBP fusion proteins while showing negligible non-specific background. MBP-Catcher is compatible not only with physiological buffers but also with high stringency buffers. MBP-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

Product Details

Material not included:	wash buffers, columns, tubes
Bead Ligand:	Antibody
Bead Matrix:	Agarose beads
Bead Size:	90 µm

Target Details

Target:	Maltose Binding Protein (MBP)
Alternative Name:	maltose binding protein, MBP (MBP Products)
Background:	Maltose-binding protein (MBP) is encoded by the malE gene from the gram-negative bacterium Escherichia coli. When expressed as a fusion protein it boosts the expression of the fusion partner and is therefore a common entity in bacterial expression vectors

Application Details

Application Notes:	200 µL slurry for up to 10 reactions
Comment:	Capacity: > 2.5 µg MBP per µl of packed beads (i.e. 2 µl of slurry)
Restrictions:	For Research Use only

Handling

Buffer:	50 % slurry in 20 % ethanol / PBS 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C