PARP14m3 Magnetic Resin

Catalog #2414 LotU1009

LIMITATIONS: THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT APPROVED FOR THERAPEUTIC OR DIAGNOSTIC USE.

Background:

The Tulip Biolabs, Inc. PARP14m3 Magnetic Resin is designed for the isolation and study of mono-ADP-ribosylated (MARylated) proteins. Through the use of this highly specific MAR affinity resin, MARylated proteins are isolated directly from cell or tissue lysates. The magnetic resin-bound proteins can be eluted from the affinity resin, and analyzed by immunoblotting or other methods.

The Tulip Biolabs, Inc. Cat. #2414 hPARP14m3 magnetic resin is a fusion protein of human PARP14 macrodomain 3 chemically (covalently) bound to a superparamagnetic resin. The conditions for the elution of proteins that are affinity bound to the resin normally will not dissociate the hPARP14m3 from the resin. This eliminates sample contamination due to co-elution of the fusion protein. The magnetic resin beads are small, approximately 1µm diameter, which remain suspended in solution for several minutes allowing convenient and accurate pipetting.

Description:

Cat. #2414 hPARP14m3 Magnetic Resin is highly purified human PARP14 macrodomain 3 fusion protein expressed in *E. coli*, and chemically bound to superparamagnetic resin beads. The resin is useful for affinity purification (pulldown) of MARylated proteins.

Supplied As:

Each vial contains 0.5mg purified hPARP14m3 fusion protein covalently bound to 1µm superparamagnetic resin beads (orange dyed) in 0.5 mL buffer containing 50 mM Tris, pH 8, 150 mM NaCl, 1 mM EDTA, 0.5mM TCEP, and 0.02% sodium azide.

Purity:

hPARP14m3 fusion protein purity is >95% by SDS-PAGE.

Storage and Stability:

Stable for 6 months from date of shipment when stored at 4˚C. DO NOT FREEZE!

Applications and Suggested Quantities:

Use 20µL (20µg) suspended resin to affinity purify/pull-down mono-ADP-ribose modified proteins in 0.15-1mg cell and tissue extracts. Analyze proteins by Western blotting using protein-specific antibodies to probe the immunoblot, mass spec protein analysis, or other methods as desired. Each 0.5mL vial is sufficient for analysis of ~25 samples.

Please note: This information is intended as a guide. The optimal experimental conditions must be determined by the user.

Tulip BioLabs Other Related Products:

PAR Affinity Resin Set (Macrodomain), Cat. #4301.
PARP1, Highly active, human, Cat. #2090.
PARP1, Automodified, human, Cat. #2095.
Anti-poly(ADP-ribose) polymer, clone 10H, mouse monoclonal antibody, Cat. #1020.
Anti-poly(ADP-ribose) polymer, IgY, chicken polyclonal antibody, Cat. #1023.
Anti-PARP1, whole protein, IgY, chicken polyclonal antibody, Cat. #1051.

Specific References:

This product was developed at Tulip Biolabs, Inc.

Tulip BioLabs, Inc.
PO Box 334, West Point, PA 19486 USA
Tel/Fax 610.584.2706 info@tulipbiolabs.com
www.tulipbiolabs.com