www.innocyto.com

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

Anti-DYKDDDDK (1002AH1) Affinity Gel

Catalog Number:	700501, 700502, 700503
Size:	0.5 mL, 2.5 mL, 5mL
Target Name:	Anti-DYKDDDDK, FLAG tag
Regulatory Status:	RUO

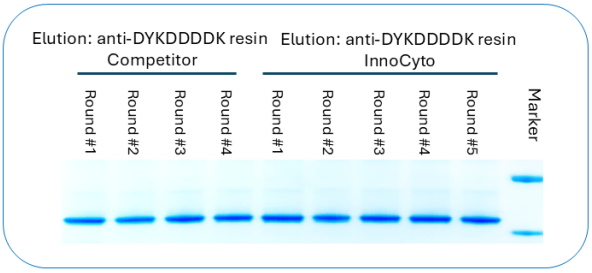
PRODUCT DETAILS

Clone:	1002AH1
Application:	Purification, IP
Reactivity:	DYKDDDDK Tag (FLAG tag)
Isotype:	Human IgG1
Formulation:	50% Anti-DYKDDDDK (1002AH1) Affinity Gel supplied in Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Storage&Handling:	Store the vial at 4°C (DO NOT FREEZE). The unopened vial is stable for twelve months when stored at 4°C.
Recommended Usage:	This cross-linked agarose resin, conjugated with anti-DYKDDDDK antibody (clone 1002AH1), is suitable for purifying DYKDDDDK-tagged recombinant proteins using either batch or column methods (with binding capacity around 1mg/mL). It can also be used for immunoprecipitation applications. Chemical stability: Stable in 0.1 M glycine (pH 2.5–3.0), 20% ethanol, and commonly used aqueous buffers for the purification of DYKDDDDK-tagged recombinant proteins.

BACKGROUND INFORMATION

Anti-DYKDDDDK (1002AH1) Affinity Gel is a specialized reagent designed for the capture, immunoprecipitation (IP), and purification of FLAG-tagged proteins. The gel consists of high-affinity monoclonal antibodies immobilized on a solid support, enabling selective binding to the DYKDDDDK epitope. This allows efficient isolation of tagged proteins from complex lysates while preserving protein integrity and interactions. It is widely used in biochemical and cell biology workflows to enrich low-abundance targets and analyze protein complexes. The resin supports gentle elution conditions, making it suitable for downstream applications such as enzymatic assays, structural studies, and protein characterization.

PRODUCT DATA



Purification was performed using a batch protocol with E. coli lysates expressing GST–multi-tagged proteins. The Anti-DYKDDDDK (1002AH1) Affinity Gel maintained high binding capacity even after five cycles of purification and elution.

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