Datasheet for ABIN400576

Protein G Magnetic Beads

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Overview

Quantity:	2 mL
Target:	Protein G
Reactivity:	Streptococcus
Application:	Purification (Purif), Immunoprecipitation (IP), Affinity Chromatography (AC)

Product Details

Purpose:	Protein G MagBeads are ideal for small-scale antibody purification and immunoprecipitation of proteins, protein complexes or other antigens.
Brand:	MagBeads
Characteristics:	Protein G MagBeads are superparamagnetic beads of average 40 µm in diameter, covalently coated with recombinant The Protein G MagBeads have a binding capacity of more than 10 mg Goat IgG per 1 ml settled beads (e.g. 4 ml 25% slurry).
Bead Ligand:	Protein G
Bead Matrix:	Magnetic particles
Bead Size:	40 µm

Target Details

Target:	Protein G
Abstract:	Protein G Products
Background:	Protein G, a bacterial cell wall protein isolated from group G Streptococci, binds to mammalian IgGs mainly through Fc regions. Native Protein G has three IgG binding domains and also the

Target Details

	sites for albumin and cell-surface binding. Albumin and cell-surface binding domains have been eliminated from recombinant Protein G to reduce nonspecific binding. Protein G has greater affinity than Protein A for most mammalian IgGs, especially for certain subclasses including human IgG3, mouse IgG1 and rat IgG2a. Unlike Protein A, Protein G does not bind to human IgM, IgD and IgA.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The beads are supplied as 25% slurry in phosphate buffered saline (PBS), pH 7.4, containing 20% ethanol. 0.5 ml settled Beads (2 ml 25% slurry)
Storage:	4 °C
Storage Comment:	Store at 4°C, do NOT freeze.
Expiry Date:	12 months

Publications

Product cited in:	Patel, Baranwal, Love, Patel, Grossman, Patel: "Inhibition of C-terminal binding protein attenuates transcription factor 4 signaling to selectively target colon cancer stem cells." in: **Cell cycle (Georgetown, Tex.)**, Vol. 13, Issue 22, pp. 3506-18, (2015) (PubMed). Youker, Assad-Kottner, Cordero-Reyes, Trevino, Flores-Arredondo, Barrios, Fernandez-Sada, Estep, Bhimaraj, Torre-Amione et al.: "High proportion of patients with end-stage heart failure regardless of aetiology demonstrates anti-cardiac antibody deposition in failing myocardium: humoral activation, a potential contributor of ..." in: **European heart journal**, Vol. 35, Issue 16, pp. 1061-8, (2014) (PubMed). Xu, Yang, Zhao, Wu, Qi: "AKAP3 synthesis is mediated by RNA binding proteins and PKA signaling during mouse spermiogenesis." in: **Biology of reproduction**, Vol. 90, Issue 6, pp. 119, (2014) (PubMed). Evnouchidou, Weimershaus, Saveanu, van Endert: "ERAP1-ERAP2 dimerization increases

peptide-trimming efficiency." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 193, Issue 2, pp. 901-8, (2014) (PubMed).

Kuroda, Hamaguchi, Moriyama, Tanimoto, Haginaka: "Improved capillary electrophoresis method for the analysis of carbohydrate-deficient transferrin in human serum, avoiding interference by complement C3." in: **Journal of pharmaceutical and biomedical analysis**, Vol. 76, pp. 81-6, (2013) (PubMed).

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