

Lot # XXXXX

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MATERIAL DATA SHEET

Ubiquitin Agarose, *human recombinant*

Cat. # U-400

Ubiquitin is covalently coupled to agarose beads via primary amines allowing for a fully functional C-terminus. Useful for affinity binding of ubiquitin activating enzyme (E1), ubiquitin carrier enzymes (E2s), ubiquitin ligases (E3s), ubiquitin C-terminal hydrolases (UCHs), and other proteins/enzymes that have an affinity for ubiquitin.

Product Information

Quantity: 500 µl | 1 ml

Stock: 500 µl ubiquitin agarose is supplied as 1 ml of a 50% slurry in 20% ethanol.
1 ml ubiquitin agarose is supplied as 2 ml of a 50% slurry in 20% ethanol.

Use and Storage

Use: Prepare the resin for use by washing with 5 ml water to remove storage buffer. Equilibrate resin by washing with 5-10 ml desired start buffer. Typically, 100 mg Fraction II protein is applied to 1 ml Ub-agarose. Binding and elution of material is dependent on individual experimental conditions. Please refer to the supplied references for applicable protocols.

Storage: Ub-agarose can be re-used for at least 10-15 applications if properly maintained. After use, clean resin by washing with 10 ml 50 mM Tris-Cl pH 9.0, 1 M KCl. Remove cleaning solution by equilibrating resin in 25 mM HEPES (or similar buffer) pH 7.5, containing either 1 mM NaN₃ or 10-20 % ethanol. Resin should be stored at 4°C. DO NOT FREEZE

Literature

References: Ciechanover A., *et al.* (1982) *J. Biol. Chem.* **257**:2537-2542
Hershko A., *et al.* (1983) *J. Biol. Chem.* **258**:8206
Hersko A., *et al.* (1986) *J. Biol. Chem.* **261**:11992.

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