Lot # XXXXX

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MATERIAL DATA SHEET

Ubiquitin Agarose, *human recombinant*
Cat. # U-405

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: 0.5 ml

Stock: [Ubiquitin] = 10 mg/ml resin (1.2 mM). Ubiquitin agarose is supplied in a 20% ethanol solution.

Use & Storage

Use: Prepare the resin for use by washing with 5 ml buffered 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 and requirements. Please refer to the supplied references for applicable protocols or contact us for specific application support. DO NOT FREEZE

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 NaN_3 or 10-20 % ethanol.
Resin should be stored at 4°C.

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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