

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:	1 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.
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. DO NOT FREEZE

Literature

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