PureCube Ti-NTA MagBeads

Cat. No.: 31501-Ti, 31505-Ti, 31525-Ti

Description	**PureCube Ti-NTA MagBeads are magnetic beads consisting of a 6% agarose coated with nitrilotriacetic acid (NTA) ligand and loaded with titanium ions. Due to their affinity to phosphorylated biomolecules, the beads are applicable for the enrichment of phosphopeptides.**
Support	Spherical magnetic agarose beads, cross-linked, 6% agarose
Form	25% (v/v) suspension in 20 mM sodium acetate with 20% ethanol, pH 6.6 (20 µl suspension corresponds to 5 µl magnetic beads)
Bead size	20-40 µm (30 µm average)
Binding capacity	The protein binding capacity varies and depends on the specific application.
Metal ion capacity	>15 µeqv Ti^{4+}/ml
Compatible reagents	1 mM DTT, 1 mM EDTA, 100% methanol, 100% ethanol, 8 M urea, 6 M guanidinium hydrochloride, 30% (v/v) acetonitrile
Stability	2 years after shipping
Storage	2-8 °C. Short-term: in in neutral buffer (e.g. 50 mM phosphate, pH 7.0) or for proteomics in equilibration buffer (50% ACN, 50% MeOH, 0.01% acetic acid); Long-term: in neutral buffer with 20% ethanol
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
Manufacturer	Cube Biotech

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