

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 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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