

PureCube Carboxy Activated MagBeads

Cat. No.: 50225, 50291, 58295

Description	PureCube Carboxy Activated MagBeads are magnetic beads with active carboxy groups to couple biomolecules that carry free-standing amine (NH₂) groups. A carboxy function is coupled to the magnetic bead with a C₆ spacer to obtain a matrix with high binding capacity. The resulting peptide bond is stable so that the beads can be used for other applications afterward.
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)
Carboxylic group density	15 µmol/ml (determined by acidimetric titration)
Application	PureCube Carboxy Activated MagBeads are applicable for the direct covalent coating of biomolecules via EDC and NHS. After NHS activation, it is highly recommended to directly react the resin with target molecule, because hydrolysis will reduce activated groups directly after activation and removal of EDC/NHS.
Stability	2 years after shipping
Storage	2–8 °C. Short-term and long-term: 100 mM sodium hydrogen carbonate, 0.02% sodium azide, pH 7.5 or 20 mM sodium acetate, 20% ethanol, pH 6.5
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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