

PureCube Maleimide Activated MagBeads

Cat. No.: 51201, 51205

Description	PureCube Maleimide Activated MagBeads are magnetic beads with active maleimide groups to couple biomolecules that carry free-standing thiol (SH) groups. The maleimide is coupled to the magnetic agarose via an epoxide function and a long C₄₀ spacer to obtain a matrix with high binding capacity for thiol functions. The resulting thioether 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 100% isopropanol (20 µl suspension corresponds to 5 µl magnetic beads)
Bead size	20–40 µm (30 µm average)
Protein binding capacity	15 mg/ml (determined by spectrophotometry with a 24 kDa protein)
Application	PureCube Maleimide Activated MagBeads are applicable for the direct covalent coating of biomolecules via thiol groups.
Stability	3 months after shipping
Storage	2–8 °C. Short-term: in 20 mM sodium acetate with 20% ethanol, pH 6.5; Long-term: in 100% isopropanol or acetone
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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