

PureCube Maleimide Activated Agarose XL

Cat. No.: 59103

Description	PureCube Maleimide Activated Agarose XL is agarose resin with a large bead diameter and 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 C ₄₀ spacer to obtain a matrix with high binding capacity for thiol functions. The resulting thioether bond is stable so that the agarose resin can be used for other applications afterward.
Support	6% agarose, cross-linked
Form	50% suspension in 100% isopropanol (e.g. 10 ml will be 5 ml settled resin + 5 ml isopropanol)
Bead size	400 µm, spherical
Protein binding capacity	15 mg/ml (determined by spectrophotometry with a 24 kDa protein)
Size exclusion limit	4 x 10 ⁶ Da
Application	PureCube Maleimide Activated Agarose XL is applicable for the direct covalent coating of biomolecules via thiol groups.
Stability	3 months after shipping
Storage	2-8 °C. Short-term and long-term: in 100% isopropanol
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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