PureCube Maleimide Activated Agarose

Cat. No.: 51103

Description	**PureCube Maleimide Activated Agarose is agarose resin 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 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, highly cross-linked
Form	50% suspension in 100% isopropanol (e.g. 10 ml will be 5 ml settled resin + 5 ml isopropanol)
Bead size	50-150 µm, spherical
Protein binding capacity	15 mg/ml (determined by spectrophotometry with a 24 kDa protein)
Size exclusion limit	4 x 10^6 Da
Maximum pressure	≥300 kPa (at 15 cm bed height)
Maximum flow rate	≥1000 cm/h (at 15 cm bed height)
Application	PureCube Maleimide Activated Agarose is applicable for the direct covalent coating of biomolecules via thiol groups.
Stability	3 months after shipping
Storage	2-8 °C. Short-term: in neutral buffer (e.g. 50 mM phosphate, pH 7.0); 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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