Maleimide Activated Magnetic Beads

DESCRIPTION

Ocean NanoTech's Maleimide activated magnetic beads are the uniform, superparamagnetic beads with a layer of biocompatible polymer coating. Maleimide activated magnetic beads could react with thiol groups from targeted protein or ligands in a simple mix-and-go format, once the covalent bond is formed, the table linkage could prevent protein or ligand leaching from the surface. Maleimide activated magnetic beads are ideal for isolation of small components such as proteins and peptides, immobilization of thiol modified labile proteins/peptides, and nucleic acid. Ideal for immunoprecipitation/purification of proteins and protein complexes, coupling functional enzymes to the bead surface for downstream assays, and identifying protein binding partners. Captured proteins and protein complexes are easily separated, washed, and eluted.

FEATURES

- **Ready-to-use:** No more activation step is required.
- **High surface area:** Unique cauliflower-lie surface provides more binding sites available.
- **Low non-specific binding**: stable, pre-blocked beads provide clean purification products without interference from the non-specific binding of complex samples.
- **Fast magnetic separation**.

SPECIFICATION

- **Concentration:** 5%
- **Form:** lyophilized powder
- **Surface group:** Maleimide
- **Size:** 50 nm – 4.5 µm

STORAGE & USAGE

Store at -20°C. Avoid frequently opening sample, that may result in loss of binding activity.
Ensure the suspension is well dispersed prior to use, bath sonication is strongly recommended.

AVAILABLE PRODUCTS

Catalog	Product Description	Unit size
SM0050-10	Super Mag Maleimide Beads, 50 nm	10 mg
SM0100-10	SuperMag Maleimide Beads, 100 nm	10 mg
SM0150-10	Sup Mag Maleimide Beads, 150 nm	10 mg
SM0200-10	SuperMag Maleimide Beads, 200 nm	10 mg
MM1000-10	Mono Mag Maleimide Beads, 1 µm	10 mg
MM3000-50	MonMag Maleimide Beads, 3 µm	50 mg
MM4500-50	Mon Mag Maleimide Beads, 4.5 µm	50 mg
HM1000-10	HiSur Mag Maleimide Beads, 1 µm	10 mg