

SuperMag Protein G Magnetic Beads

DESCRIPTION

Ocean NanoTech's (Ocean's) SuperMag Protein G Beads are hydrophilic magnetic beads with a monolayer of Protein G that is covalently coupled to the surface makes most of the binding sites sterically available for binding of IgG. SuperMag Protein G Beads have a very wide variety of applications. The applications include purifying antibody from serum, cell culture supernatant or ascites as well as for IP/Co-IP of antigens from cell or tissue extracts.

FEATURES

- **High capacity:** >60 µg IgG / mg beads
- **High colloidal stability:** much longer time required to settle than 1 µm beads.
- **Low non-specific binding:** stable, pre-blocked beads provide clean purification products without interference from the non-specific binding of complex samples.
- **Size flexibility:** we offer sizes ranged from 50 nm to 200 nm.
- Shorter magnetic separation time than beads with the same size from other suppliers.

SPECIFICATION

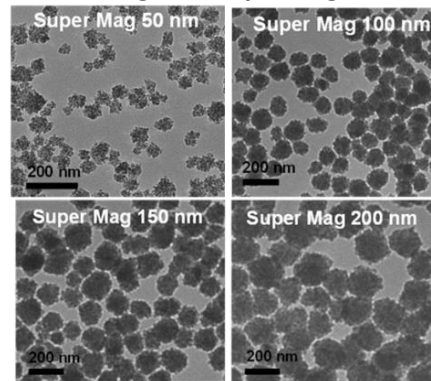
- **Concentration:** 1 mg/mL
- **Storage buffer:** 10mM PBS, 0.05% NaN₃, 0.01% tween 20, 0.1% BSA, pH 7.4
- **Size:** 50-200 nm

STORAGE & USAGE

Store at 2-8°C. Freezing of particles may result in irreversible aggregation and loss of binding activity.

Ensure the suspension is well dispersed prior to use, bath sonication is strongly recommended, as particles are expected to settle during storage.

TEM Images of SuperMag Beads



AVAILABLE PRODUCTS

Catalog	Product Description	Size	Unit size
SPG0050-01	SuperMag Protein G Beads	50 nm	1 mL
SPG0050-05	SuperMag Protein G Beads	50 nm	5 mL
SPG0100-01	SuperMag Protein G Beads	100 nm	1 mL
SPG0100-05	SuperMag Protein G Beads	100 nm	5 mL
SPG0150-01	SuperMag Protein G Beads	150 nm	1 mL
SPG0150-05	SuperMag Protein G Beads	150 nm	5 mL
SPG0200-01	SuperMag Protein G Beads	200 nm	1 mL
SPG0200-05	SuperMag Protein G Beads	200 nm	5 mL