

## HiSur Protein G Beads

### DESCRIPTION

Ocean NanoTech's HiSur Protein G Beads (1  $\mu\text{m}$ ) are Protein G conjugated magnetic beads with diameter of 1  $\mu\text{m}$ . The monolayer of Protein G that is covalently coupled to their surface makes most of the binding sites sterically available for binding of IgG. Attribute to their very large surface area and unique surface coating, HiSur Protein G Beads (1  $\mu\text{m}$ ) exhibit superior binding capacity and significantly low non-specific binding. HiSur 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:** >80  $\mu\text{g}$  IgG / mg beads.
- **High surface area:** 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.

### SPECIFICATION

- **Concentration:** 10mg/mL
- **Storage buffer:** 10mM PBS, 0.05%  $\text{NaN}_3$ , 0.01% tween 20, 0.1% BSA, pH 7.4
- **Size:** 1  $\mu\text{m}$  (nominal)

### 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.

### AVAILABLE PRODUCTS

Catalog	Product Description	Unit Size
HPG1000-002	HiSur Protein G Beads	2 mL
HPG1000-010	HiSur Protein G Beads	10 mL
HPG1000-100	HiSur Protein G Beads	100 mL

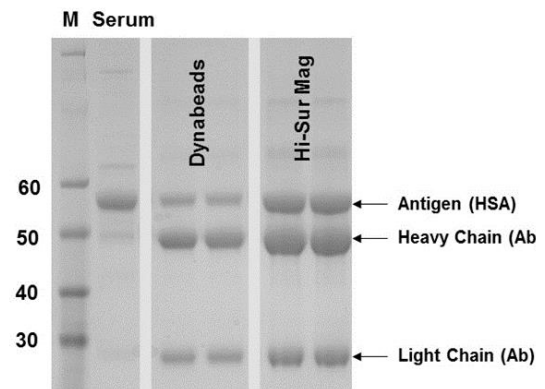
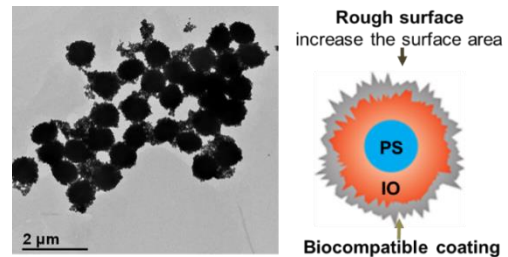


Figure 1. IP of HSA in human serum by the same

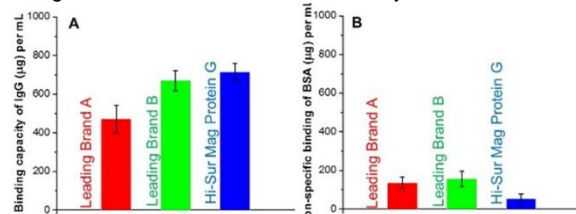


Figure 2. High binding capacity (A) and low non-specific binding (B) with Ocean NanoTech's HiSur Protein G Beads.