

MagSi protein A and G beads for high yield target protein purification

Protein A and protein G are recombinant proteins that bind with high affinity to the Fc portion of several classes and subclasses of immunoglobulin (IgG's) from a variety of species. Specific antigens are bound in a second step reversible towards the bound IgG. A following washing step and elution by pH shift generates the purified target protein under native conditions. MagSi protein A and G beads can be regenerated and reused several times (up to 10 times), incl large volume scales.

Some Applications

- High yield protein purifications
- High yield antibody isolation
- Immuno precipitation

The advantage of protein G and A beads, compared to streptavidin beads, is that the antibody does not need to be biotinylated and the binding is reversible. So they are ideal for protein isolation and proteomics applications. Furtheron the superior surface chemistry is blocking unspecific binding of residual proteins and further biomolecules. Therefore your target protein can be purified in a single purification step.

Comparison of MagSi-protein G beads with Dynabeads® Protein G product

MagSi-protein G beads were compared with competitor product (figure 1). The SDS-Page (silverstain) result indicates a higher specific binding capacity for the GAPDH protein (37 kDA) for all sizes of MagSi-protein G as compared to the competitor product.

Advantages MagSi-protein A and G beads

- High specific binding capacity
- Choice in bead size (600 nm and 1.0 µm)
- Choice in magnetic strength
- Customization of product possible
- Bead regeneration possible up to 10 times

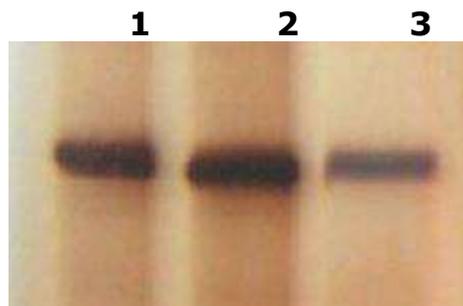


Figure 1: Comparison of MagSi protein G with competitor bead. Lane 1: MagSi-protein G 600, lane 2: Magsi-protein G 1.0, lane 3: competitor D Protein G beads. Beads subjected to same sample lysate with use of standard protocols for each product.



UK & Rest of World

184 Milton Park, Abingdon
OX14 4SE, Oxon, UK
Tel: +44 (0) 1235 828 200
Fax: +44 (0) 1235 820 482

Switzerland

Centro Nord-Sud 2E
CH-6934 Bioggio-Lugano
Tel: +41 (0) 91 604 55 22
Fax: +41 (0) 91 605 17 85

Deutschland

Bockenheimer Landstr. 17/19
60325 Frankfurt/Main
Tel: +49 (0) 69 779099
Fax: +49 (0) 69 13376880

United States

23591 El Toro Rd, Suite #167
Lake Forest, CA 92630
Tel: + 1 800 987 0985
Fax: + 1 949 265 7703

PRODUCT DETAILS and ORDERING INFORMATION

MagSi-Protein A

High quality MagSi silica particles, recombinant Protein A covalently bound to the particle surface.

Art. Nr.	Product	Conc.	Size	Volume
MD10011	MagSi-protein A 600	10mg/ml	600nm	1ml
MD11011	MagSi-protein A 600	10mg/ml	600nm	5ml
MD01011	MagSi-protein A 1.0	10mg/ml	1µm	1ml
MD02011	MagSi-protein A 1.0	10mg/ml	1µm	5ml

MagSi-Protein G

High quality MagSi silica particles, recombinant Protein G covalently bound to the particle surface.

Art. Nr.	Product	Conc.	Size	Volume
MD10012	MagSi-protein G 600	10mg/ml	600nm	1ml
MD11012	MagSi-protein G 600	10mg/ml	600nm	5ml
MD01012	MagSi-protein G 1.0	10mg/ml	1µm	1ml
MD02012	MagSi-protein G 1.0	10mg/ml	1µm	5ml

Please note: Larger volumes up to litres are available on request. Please ask for a specific quote.



UK & Rest of World

184 Milton Park, Abingdon
OX14 4SE, Oxon, UK
Tel: +44 (0) 1235 828 200
Fax: +44 (0) 1235 820 482

Switzerland

Centro Nord-Sud 2E
CH-6934 Bioggio-Lugano
Tel: +41 (0) 91 604 55 22
Fax: +41 (0) 91 605 17 85

Deutschland

Bockenheimer Landstr. 17/19
60325 Frankfurt/Main
Tel: +49 (0) 69 779099
Fax: +49 (0) 69 13376880

United States

23591 El Toro Rd, Suite #167
Lake Forest, CA 92630
Tel: + 1 800 987 0985
Fax: + 1 949 265 7703