

LOABeads™ PrtA

Description

LOABeads PrtA are super-paramagnetic agarose beads covalently coupled with recombinant protein A. The black beads are clearly visible, strongly attracted to external magnets and easily resuspended. The quantity of beads can readily be scaled up or down to match application.

Applications

LOABeads PrtA are intended for purification of monoclonal antibodies from cell culture harvests, such as from hybridoma or CHO cells. The beads are suitable for separations from µl to high ml scale using appropriate magnetic separators, such as the LOABeads MagSep50 (Product No. 2200) and LOABeads MagSep500 (Product No. 2300). The product is intended for research use only.

Product data

Product name	LOABeads™ PrtA
Product No.	1100
Particle size	45–165 µm
Ligand	Recombinant protein A
Type magnetization	Super-paramagnetic
Matrix	4% agarose
Product form	10% bead suspension in PBS with 20% ethanol
Binding capacity ¹	30 mg/ml settled beads
Binding conditions	Directly in cell culture media, pH 6–8
Elution conditions ²	60 mM citrate pH 3.0 100 mM glycine, pH 2.8
Storage	+2 to +8°C in PBS containing 20% ethanol
Stability ³	18 months
Ligand leakage ⁴	10–100 ng/mg IgG (10–100 ppm)
Regeneration	Can be reused multiple times

¹ Binding capacity was determined by incubating 500 µl 10% LOABeads PrtA30 (50 µl beads) with rabbit IgG (2 mg/ml in 1 ml PBS) for 60 minutes at room temperature. Binding capacity is the maximal binding capacity obtained with a yield of 90% or more during the above specified conditions.

² Some antibodies may require different elution conditions.

³ Data of product stability is continuously updated based on ongoing stability studies.

⁴ Protein A ligand leakage in the acidic elution fraction with 1 minute contact time at room temperature was determined using a Protein A ELISA kit (#03-96) from Immun System I.M.S AB, Sweden.

Ordering information

Products	Quantity	Product No.
LOABeads™ PrtA	5 ml beads	1101
LOABeads™ PrtA	10 ml beads	1102
LOABeads™ PrtA	25 ml beads	1103