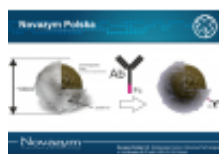


Dane aktualne na dzień: 03-05-2024 10:58

Link do produktu: <http://www.novazym.sklep.pl/magnova-protein-g-magnetic-nano-particles-1-ml-p-230.html>



MAGnova Protein-G magnetic nano-particles, 1 mL

Dostępność

Na zamówienie

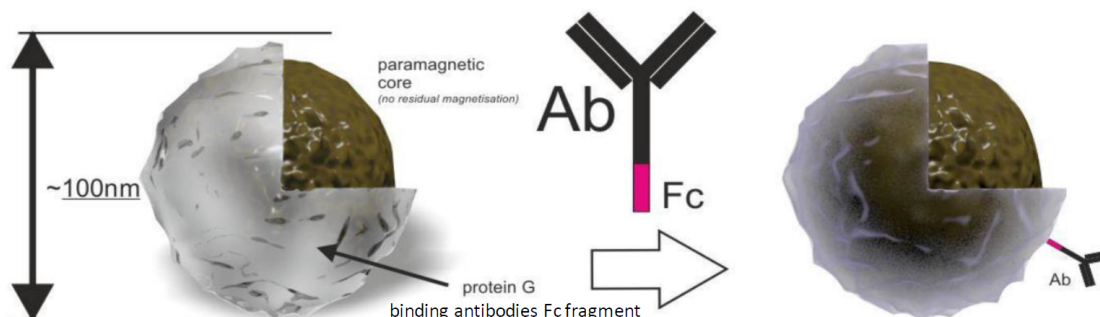
Numer katalogowy

PG1000-30

Opis produktu

Magnetic Nano-Particles

MAGnova Protein-G



Description:

❖ MAGnova Protein-G magnetic particles are an affinity matrix for the small-scale isolation and purification of immunoglobulins (IgG). A truncated form of recombinant Protein A is covalently coupled to a paramagnetic particle. Protein A exhibits high affinity for subclasses of IgG from many species including human, mouse, rat (1). The protein is coupled through a linkage that is stable and leak resistant over a wide pH range. This permits the immunomagnetic purification of IgGs from ascites, serum or cell culture supernatants; the matrix can be regenerated without loss of binding capacity. Protein A magnetic particles can be used to immunoprecipitate target proteins from crude cell lysates using selected primary antibody. In addition, specific antibodies can be chemically cross-linked to the Protein A coated surface to create a reusable immunoprecipitation bead, avoiding the co-elution of antibody with target antigen (2,3).

Features:

- ❖ Robust manual and automated magnetic isolation of IgG.
- ❖ Low non-specific binding for fast and clean purification.
- ❖ Fast reaction kinetics increases throughput and precision, and also enables faster movement particles through viscous solutions.
- ❖ Unique surface provides increased area for binding reactions compared to smooth surface particles
- ❖ Uniform size provides excellent lot-to-lot reproducibility.

Parameters:

Project:	Parameters:	Project:	Parameters:
Volume:	1 mL	Binding Capacity:	6 - 7,5 mg rabbit's IgG / mL
Core:	Magnetite	Storage Buffer:	PBS, 0,05% sodium azide
Matrix:	Covalently bound rec protein A	Regeneration Possibility:	Yes
Size approx.:	~ 80-100 nm	Autoclaved:	No
Type of Magnetization:	Paramagnetic	Storage:	+4 - 8 °C (do not freeze!)
Functional Group:	Protein A	Expiry Date:	6 months after production date

The strength of the immunoglobulin interaction with G and P protein:

Specie:	Human							
Immunoglobulin:	IgG (normal)	IgG1	IgG2	IgG3	IgG4	IgM	IgA	IgE
Binding to Protein A:	+++	+++	+++	-	+++	-	-	-
Binding to Protein G:	+++	+++	+++	+++	+++	-	-	-



