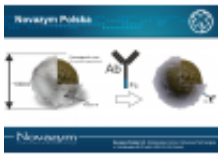
Dane aktualne na dzień: 04-06-2024 09:11

Link do produktu: http://www.novazym.sklep.pl/magnova-protein-a-magnetic-nano-particles-1-ml-100mg-p-229.html



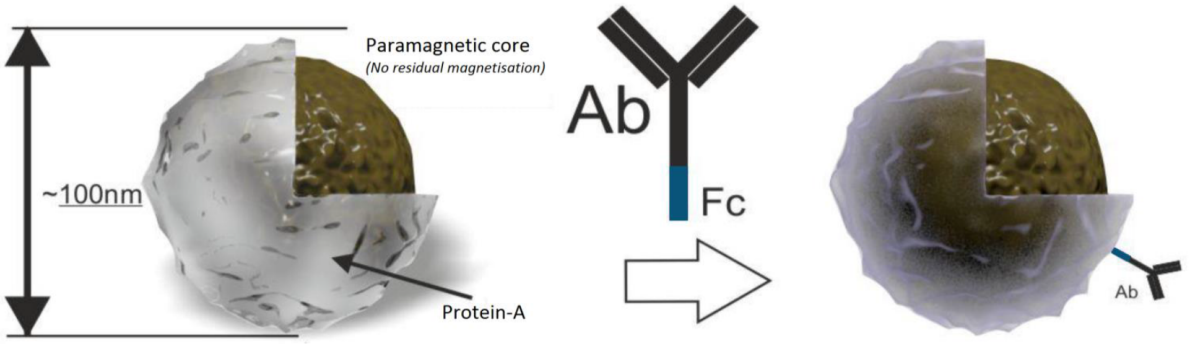
MAGnova Protein-A magnetic nano-particles, 1 mL, 100mg

Dostępność	**Dostępność - 3 dni**
Czas wysyłki	**5 dni**
Numer katalogowy	**PA1000-30**

Opis produktu

Magnetic Nano-Particles

MAGnova Protein-A



Description:

- Protein-A magnetic particles are an affinity matrix for the small-scale isolation and purification of immunoglobulins. 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, rabbit and mouse (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:	++++	++++	++++	++++	++++	-	-	-

Novazym
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ref (1)

Species	Immunoglobulin	Binding to Protein A	Binding to Protein G
Human	IgG (normal)	++++	++++
	IgG1	++++	++++
	IgG2	++++	++++
	IgG3	-	++++
	IgG4	++++	++++
	IgM	-	-
	IgA	-	-
	IgE	-	-
Mouse	IgG1	+	++++
	IgG2a	++++	++++
	IgG2b	+++	+++
	IgG3	++	+++
Rat	IgG1	-	+
	IgG2a	-	++++
	IgG2b	-	++
	IgG2c	+	++
Goat	IgG	+/-	++
Rabbit	IgG	++++	+++
Sheep	IgG	+/-	++