

DiagAg™ rProtein A Agarose Particles, 4% Crosslinked, 50-150 µm

Cat.No: DAG-GB23-17

DESCRIPTION

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DiagAg™ rProtein A Agarose Particles, 4% Crosslinked, 50-150 µm consist of cross-linked agarose particles covalently coupled with rProtein A. The product provides a very stable bond that can greatly minimize leakage of the Protein A allowing for reuse of the affinity resin in several purification steps. It is good for the purification of a wide range of Immunoglobulins of different mammalian species and also certain IgG subclasses that have no other affinity.

Protein A is a cell wall component of *Staphylococcus aureus*. It consists of a single polypeptide chain shaped as a cylinder, which contains five antibody-binding domains. These high affinity regions are specifically bonded to Fc region of the immunoglobulins (specially IgGs of different species). Protein A is temperature stable and it retains its native conformation even in the presence of denaturing agents.

PRODUCT INFORMATION

Diameter	50-150 µm
Ligand	Recombinant Protein A
Concentration	50% v/v
Matrix	4% agarose
Binding Capacity	25 mg human IgG/mL resin
Surface Group Density	~3 mg rProtein A/mL resin
Appearance	Spherical

STORAGE AND SHIPPING

Storage Buffer	20% ethanol
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Storage	Store at 4°C. Do not freeze.
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