

DiagAg™ rProtein L Agarose Particles, 4% Crosslinked, 45-165 µm

Cat.No: DAG-YS23-04

DESCRIPTION

Description

Natural protein L (Protein L) can bind with immunoglobulin isolated from *Streptococcus Magnus* with a molecular weight of 36 KD. This product uses a genetically modified protein L, which retains the binding characteristics of the antibody k-strand and does not affect the antigen-binding site of the antibody. Compared with protein A and Protein G, Protein L binds more broadly to antibodies of various sources and subclasses, including human, mouse, rat, rabbit, and chicken, but not to bovine, goat, or sheep-derived immunoglobulin. DiagAg™ rProtein L Agarose Particles, 4% Crosslinked, 45-165 µm are used for the isolation and purification of monoclonal antibodies. This product uses highly cross-linked agarose gel as a matrix and recombinant Protein L as a coordinating matrix, which has high physicochemical stability and can be purified at relatively high flow rates, and is suitable for industrial customers. After one-step affinity chromatography, high purity antibodies can be obtained from ascites, serum and culture medium, which is easy to use and widely used.

APPLICATION

Application Notes

Isolation and purification of monoclonal antibodies

PRODUCT INFORMATION

Diameter

45-165 µm

Ligand

Recombinant Protein L

Usage Statement

1. Fully reversed several times to make the agarose particles mixed evenly.

2. During all operations, the samples need to be operated on 4°C or on ice.
3. For your safety and health, please wear laboratory clothes and wear disposable gloves.
4. This product is only used for scientific research purposes!

Matrix	4% agarose
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Binding Capacity	>15 mg human IgG/mL matrix
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pH Range	3-10
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Maximum Operating Pressure	300 kPa, 3 bar
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STORAGE AND SHIPPING

Storage Buffer	1X PBS containing 20% ethanol
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Storage	Store at 2-8°C. Do not freeze.
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Shipping Condition	Ship with an ice pack.
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Shelf Life	2 years
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