

HiTrap KappaSelect

Product Information

Cat#No# Hi-014P

Product Overview

Antibody fragments are gaining increased attention as potential biopharmaceuticals because they display certain advantages over monoclonal antibodies (MAbs). For example, Fabs show improved pharmacokinetics for tissue penetration and can bind to targets inaccessible to conventional antigen binding sites.

KappaSelect is affinity chromatography resins for purifying kappa and lambda Fab fragments, respectively. These resins enable efficient capture with high purity and yield.

Characteristic

Efficient, industrial-scale capture of Fabs by affinity chromatography.

High binding capacity for Fabs.

Rigid agarose base matrix allows high flow rates and processing of large sample volumes for increased throughput.

Non-mammalian derived product reduces regulatory concerns in the production of Fabs for clinical applications.

Low ligand leakage ensures increased Fab purity and productivity.

Average particle size

75 µm

Ligand

Recombinant protein (Mr 13 000), produced in *Saccharomyces cerevisiae*, that binds to the constant region of Fab kappa or lambda light chain.

Ligand density

Approx. 5 mg/mL resin

Dynamic binding capacity

Approx. 15 mg Fab/mL resin.

Recommended flow rate

HiTrap KappaSelect

At least 600 cm/h in a 1 m diameter column, with 20 cm bed height at 20°C using buffers with the same viscosity as water at < 0.3 MPa (3 bar).

Recommended column height

25 mm

Storage

4 to 8°C, 20% Ethanol

Pack size

5 × 1 mL

Dimensions

7 × 25 mm

Column volume

1 ml

Column i.d.

7 mm
