

# Datasheet

Cat# NBGN-100107

Version# RN5.9



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<b>Product Name</b>	NebuChem™ Fast Flow Protein G Resin (Column)
<b>Size</b>	1ml;5ml;Bulk
<b>Description</b>	NebuChem™ Fast Flow Protein G Resin (Column)(CAT#NBGN-100107) is an affinity chromatography medium designed for easy, one-step purification of classes, subclasses and fragments of immunoglobulins from biological fluids and from cell culture media. The recombinant protein G ligand is coupled to 4% highly cross-linked agarose. The static binding capacity of NebuChem™ Fast Flow Protein G Resin (Column)(CAT#NBGN-100107) is greater than 20 mg human IgG/ml settled resin. The dynamic binding capacity will vary depending on several factors such as target antibody, flow rate etc.
<b>Ligand</b>	Recombinant Streptococcal protein G lacking the albumin-binding sites expressed in E.coli. There are 3 IgG binding sites per ligand.
<b>MW of Ligand</b>	~22kDa
<b>PI of Ligand</b>	4.69
<b>Ligand/Resin Ratio</b>	~2 mg protein G/ml settled resin
<b>Binding Capacity</b>	≥ 20 mg human IgG/ml settled resin
<b>Matrix</b>	4% highly cross-linked agarose
<b>Average Particle Size</b>	90µm (45-165µm)
<b>Recommended flow rate</b>	50-300cm/h
<b>Storage Solution</b>	20% ethanol
<b>Storage</b>	2-8 °C; Freezing is prohibited
<b>Column compatibility</b>	The 5 mL and 1 mL columns are compatible with ÄKTA™ chromatography systems. Additional adaptors may be needed for other systems. The optimal flow rate is 1 mL/min for the 1 mL column, and 5 mL/min for the 5 mL column. For preserving the column integrity, please do not exceed a flow rate of 4 mL/min for the 1 mL column and 15 mL/min for the 5 mL column (The mobile phase of the test is aqueous buffers at room temperature and the alarm pressure is 0.3 MPa).

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