

# Protein G Resin - Amintra ab270309

## 1 References

### Overview

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**Product name**

Protein G Resin - Amintra

**General notes**

Protein G Resin - Amintra (ab270309) 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 highly cross-linked 4% agarose. The binding capacity of Protein G Resin - Amintra is greater than 30mg human IgG/mL medium. With the high binding capacity and chemical stability, very high batch-to-batch reproducibility, which ensures excellent performance on isolation of immune complexes.

This product is manufactured by Expedeon, an Abcam company, and was previously called Amintra Protein G Resin. Expedeon product codes APG0005 (5 mL Medium), APG0025 (25 mL Medium) and APG0100 (100 mL Medium) are the same as the current sizes: 5 mL, 25 mL, and 100 mL, respectively.

**Characterization of Resin:**

**Supporting matrix:** Highly crosslinked 4% agarose supplied as a 50% slurry

**Ligand:** Recombinant Protein G

**Bead size range:** 45-165 µm

**pH stability:** long term: pH 3 – 9 –short term: pH 2 – 10

**Typical binding capacity:** >30 mg Human IgG /ml resin

**Maximum pressure:** 0.3MPa (3 bar)

**Chemical stability:** High. The IgG binding capacity and recovery was maintained after storage for:

**7 days at 37° in:**

1 M acetic acid pH 2.0, 20 mM sodium phosphate, 1% SDS, pH 7.0

6 M Guandine-HCl, pH 7.0

70% ethanol

**2 hours at room temperature in:**

0.1 M HCl, pH 1.0

8 M urea, pH 10.5

0.1 M Glycine-NaOH, pH 11.0

**Solubility in water:** Insoluble

### Properties

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**Form**

Liquid

**Storage instructions**

Shipped at Room Temperature. Store at Room Temperature. Store at +4°C. Do Not Freeze.

Please see notes section.

#### **Storage buffer**

pH: 6

Constituent: 20% Ethanol

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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