

ToxOut™ Protein G (Sephacrose) Column

(Catalog No. M4103- 1, 5; 1, 5 columns, Store at 4°C)

02/19

I. Introduction:

Protein G beads have been widely used for IgG purification. BioVision's Protein G (Cat# 6510) is a genetically engineered protein containing three IgG-binding regions of native Protein G. Maximum IgG specificity is achieved by eliminating its cell wall binding region, albumin binding region, and other non-specific regions. Our Protein G is covalently immobilized to Sepharose beads and the beads are packed in the column. BioVision's ToxOut™ Endotoxin-Free Protein G (Sephacrose) column is designed for endotoxin-free IgG purification and immunoprecipitation. This column can rapidly purify IgG from serum, ascites and cell culture media from various species such as human, mouse, rat, goat and rabbit.

II. Application:

- Purify up to 20 mg/ml IgG from endotoxin-free serum, ascites and cell culture media.

III. Contents:

M4103-1 ToxOut™ Protein G (Sephacrose) Column Qty: 1

M4103-5 ToxOut™ Protein G (Sephacrose) Column Qty: 5

IV. Storage and Handling:

- Store at 4°C. Columns expire 2 months after opening.
- Read the entire protocol before performing the assay.
- To prevent endotoxin contamination from dust, solution or dirty lab ware, only use endotoxin-free solutions and tubes and proceed with extra caution.
- Do not let the resin dry out anytime.

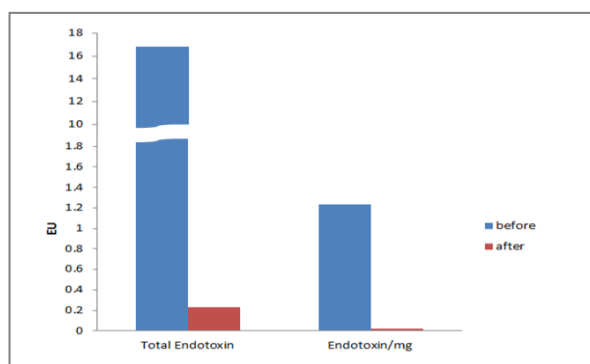
V. Specification:

ToxOut™ Protein G (Sephacrose) Column capacity: ~20mg/ml

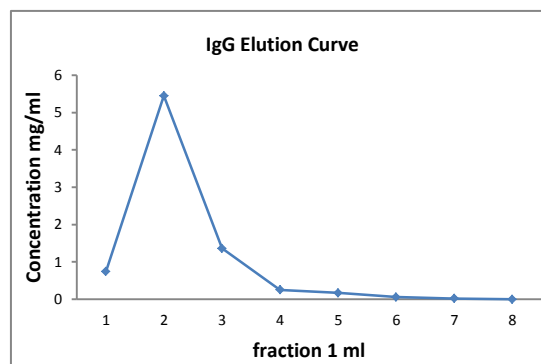
Species	IgG Binding Strength
Human	++++
Mouse	++++
Rabbit	++++
Rat	+
Goat	+

Note: Strong Binding +++++/ Weak Binding+

a)



b)



Related Products:

Figures a) Endotoxin level in concentration (right) and total amount (left) before and after rabbit IgG were purified by ToxOut™ Protein G (Sephacrose) Column. The recovered IgG shows > 96% endotoxin reduction. **b)** Elution curve for rabbit IgG purification using this Column. The IgG recovery rate is 97%.

- ToxOut™ Rapid Endotoxin Removal Kit (K2501)
- ToxOut™ Endotoxin-Free Protein A Sepharose (M1300)
- ToxOut™ Protein A (Sephacrose) Antibody Purification Kit (K2503)

FOR RESEARCH USE ONLY! Not to be used on humans.