

# 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.

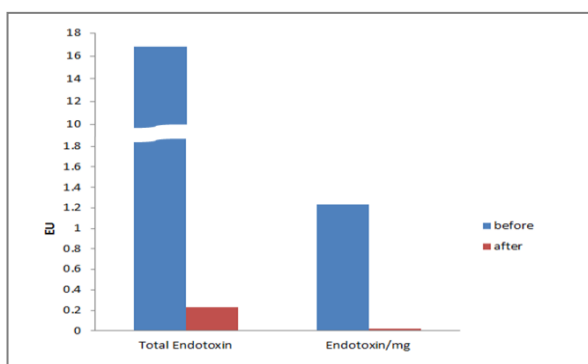
## V. Specification:

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

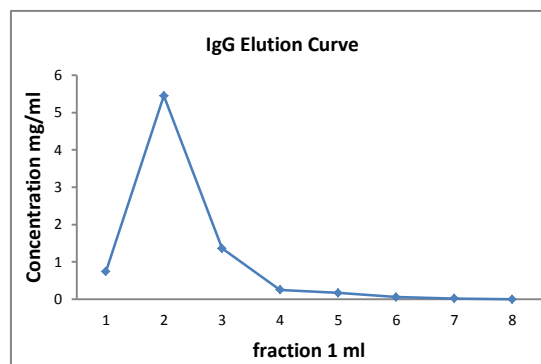
Species	IgG Binding Strength
Human	++++
Mouse	++++
Rabbit	++++
Rat	+
Goat	+

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.**