

Recombinant Protein G Agarose

Product Code	PGGH
Product Lot:	1207PGGH1

Description

Protein G is an immunoglobulin binding protein isolated from *G. Streptococci* that primarily binds to mammalian IgGs through Fc regions. Native Protein G has 3 IgG binding domains as well as sites for albumin and cell-surface binding. Protein G has strong affinity for most mammalian IgGs, including all human IgG subclasses (IgG1, IgG2, IgG3 and IgG4) and also rabbit, mouse, and goat IgG. Protein G shows a broader range of binding to IgG subclasses than staphylococcal protein A. Domains in the NH₂-terminal half of the protein have been found to bind human serum albumin (HSA). ProteinMod Recombinant Protein G Agarose has been engineered to lack the albumin binding domain to reduce non-specific binding. Additionally, there is a 6x histidine tag at the N-terminus. This product was produced by covalently bonding recombinant protein G to 6% agarose bead. Amounts refer to a 100% bead volume.

Specifications

Matrix	6% highly crosslinked agarose (for HPLC)
Form	Liquid
Binding Capacity	>20 mg IgG per ml bead volume
Elution Buffer	0.1 M glycine pH 2.0
Storage	up to 4 months at 2-8 C if preservatives are added minimum 2 years stored at -20 C or colder
Preservative	20% ethanol
