

**Protein A Agarose**  
*Protein Purification***Catalogue Number:**

IR003	1 mL
IR003-10ML	10 mL
IR003-100ML	100 mL

**Description:** Protein A Agarose consists of native protein A covalently coupled to agarose beads. The protein A molecule is very heat-resistant and retains its native conformation even after exposure to denaturing reagents (urea, guanidine thiocyanate or guanidine hydrochloride) and high concentration of salt (sodium chloride or potassium chloride). Protein A is designed specifically for the binding of the Fc region of immunoglobulin of many mammalian species without interfering with the binding ability of an antibody to its antigen.

Protein A Agarose has been extensively used for the isolation of a broad variety of immunoglobulin molecules generated from several mammalian species. The immobilized Protein A has relatively high affinity for the following antibody species and subclasses.

**Monoclonal Antibody:** Human: IgG1, IgG2, IgG4; Mouse: IgG2a, IgG2b, IgG3

**Polyclonal Antibody:** Rabbit, Human, Guinea pig, Cow, Horse, Mouse

**Formulation and Specification:**

- 50% Protein A agarose resin suspended in PBS containing 20% ethanol
- Ligand density: 2 mg Protein A per 1 mL beads
- Binding capacity: Up to 20 mg human IgG per 1 mL beads

**Application:** Protein purification, immunoprecipitation

**Storage & Stability:** Stable for a minimum of 1 year at 4-8°C.

**Buffer Compatibility:** Several buffers provided by MACGENE are compatible with Protein A Agarose

**Wash/Binding Buffers:**

Cat# MP011	TBS	50 mM Tris HCl, 150 mM NaCl, pH 7.4
Cat# MP011B	Binding Buffer	50 mM Tris HCl, 150 mM NaCl, pH 7.4
Cat# MP011T	TBS-T	50 mM Tris HCl, 150 mM NaCl, pH 7.4, 1% Triton X-100
Cat# MP011TC	Washing Buffer (5X)	Dilute to 1X before use
Cat# MP015	RIPA	RIPA Buffer
Cat# MP015M	RIPA(M)	RIPA Buffer, Modified

**Elution Buffer:**

Cat# MP005M	Protein Elution Buffer, pH3.5
Cat# MP005S	Protein Elution Buffer, pH1.8

**FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES**



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