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Datasheet for ABIN1118464

**Protein A/G Protein (Sepharose)**

## Overview

Quantity:	2 mL
Target:	Protein A/G
Origin:	Streptococcus, Staphylococcus aureus
Host:	Please inquire
Purification tag / Conjugate:	This Protein A/G protein is labelled with Sepharose.
Application:	Immunoprecipitation (IP)

## Product Details

Specificity:	The product can be used for binding IgG from human, rabbit, goat, mouse and rat. It has strong binding of human, rabbit, cow, sheep, and goat polyclonal antibodies, mouse IgG2a, IgG2b, IgG3, and rat IgG2a. Protein A/G also has moderate affinity for mouse and rat IgG1 and IgG2c. It binds with weak affinity to rat IgG2b. Sepharose™ Protein A/G can be used for immunoprecipitation and purification of monoclonal antibodies.
Characteristics:	The conjugate is provided as a suspension with 0.5 ml sepharose per 1 ml of suspension and is blocked with BSA to reduce non-specific immunoglobulin binding.

## Target Details

Target:	Protein A/G
Abstract:	<a href="#">Protein A/G Products</a>
Background:	Sepharose™ Protein A/G can be used for immunoprecipitation and purification of monoclonal antibodies. Sepharose™ Protein A/G is a suspension of beads conjugated to a fusion protein containing binding domains from both protein A (from Staphylococcus aureus) and protein G

## Target Details

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(from *Streptococcus* sp.). When evenly dispersed approximately 2.0 ml of suspension is equal to 0.5 cc of settled beads of Sepharose™ 4 Fast Flow (highly cross linked, 4% agarose derivative). The bead size is approximately 45-165 µm when swollen. Each cc of drained beads will bind approximately 20-30 mg Human IgG. The exclusion limit (Mr) of the beads is  $3 \times 10^7$ . The maximum linear flow rate is approximately 1300 cm/hr. This product shows long term stability within pH range of 3 to 9 and short term stability within pH range of 2 to 10. Up to 100 reactions.

Synonyms: Sepharose Protein A/G, agarose, immunoprecipitation, IP western blot

## Application Details

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Application Notes:	Protein A/G resin may also be used to pull down antibody:antigen complexes in immunoprecipitation experiments. This product is suitable for use at 20 µL per immunoprecipitation reaction.
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Buffer:	20% (v/v) Ethanol
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Storage:	4 °C
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Expiry Date:	12 months
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