

## Protein G Sepharose Purification Kit

<b>Catalog Number</b>	LDG0012RD
<b>Package</b>	5 rxn / 10 rxn / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### Description

Recombinant protein G were conjugated to NHS-sepharose. Protein G is a 65 kDa (G148 Protein G) and a 58 kDa (C40 Protein G) surface protein found in the cell wall of Staphylococcus aureus. Like Protein A, Protein G also has a high affinity to human IgG, mouse IgG and others and is therefore suitable for purification and detection of immunoglobulins. Therefore, the protein G sepharose is an efficient technique for IgG purification.

Recombinant protein G is immobilized at over 5 mg per mL of 50% slurry and this kit allows a rapid and efficient affinity purification of active IgG proteins. The affinity resin allows an efficient binding of IgG proteins without the need for preliminary steps and calibrations. The affinity bound IgG proteins can be efficiently eluted from the resin by acid condition. The eluted IgG proteins can be used for characteristic analysis.

#### Product Note

The optimal protein concentration of the cell lysate should be determined by the end user.

### Specifications

#### Application

Immunoprecipitation, IgG purification

#### Conjugation

Sepharose

#### Specificity

Protein G has a high affinity to human IgG, mouse IgG, and others and is, therefore, suitable for purification and detecting immunoglobulins.

#### Sample Type

Cell lysate

#### Binding capacity

The binding and elution capacity of 1 mL settled Protein G sepharose are commonly more than 1 mg of IgG proteins.

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## Instruction

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at 2-8°C.

### Stability & Storage

This product is stable after storage at:

- 2-8°C for unopened product

Please refer to product manual for storage constructions

**Disclaimer :** For Research Use or Further Manufacturing Only.

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