



# Technical Data Sheet

## Lyophilized Protein A/G, recombinant

### Description

Recombinant Protein A/G is purified from *E. coli* and it consists of 7 IgG-binding domains EDABC-C2C3. The Protein A portion is from *Staphylococcus aureus* segments E, D, A, B and C. The Protein G portion is from *Staphylococcus aureus* segments C2 and C3.

### Features

*E. coli* recombinant protein  
Lyophilized powder without additive  
Molecular Weight ~50.5 kDa  
Extended Fc-binding properties  
Binds to all human IgG subclasses, IgA, IgE, IgM, and a lesser extent of IgD  
Extinction Coefficient ( $E^{1\%}_{280} = 5.05$  ; 1 mg/ml of protein A absorbance at 280nm is 0.505)

### Application

Immunoprecipitation  
ELISA  
Antibody Purification

### Reconstitution

This product should be stored undiluted. Centrifuge vial prior to opening. Reconstitute whole bottle of Lyo Protein A/G with your buffer to adjust the concentration for further use. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles. This product should be stored undiluted.

### Storage

Store Lyo Protein A/G at -20°C with desiccant; if possible, in desiccant.