



# IMMUNO REAGENTS

## Immunosorb A



### Features

- Pure recombinant Protein A
- Immobilized on a cross-linked agarose matrix
- Strong binding to Fc region of IgG
- High capacity: > 20 mg IgG/ml

### Product description

Immunosorb A consists of pure recombinant protein A which has been derived from the bacterium *Staphylococcus aureus*. The protein is cloned and expressed in *E.coli* and immobilized on a cross-linked agarose matrix.

Protein A binds to specific classes of immunoglobulins and can preferably be used for purification of mouse and rabbit immunoglobulins. The protein binds to the Fc region of immunoglobulins by interacting with the heavy chain. It binds with high affinity to human IgG<sub>1</sub> and IgG<sub>2</sub> as well as mouse IgG<sub>2a</sub> and IgG<sub>2b</sub>. Protein A binds to human IgM, IgA and IgE as well as to mouse IgG<sub>3</sub> and IgG<sub>1</sub> but with moderate affinity. It does not react with human IgG<sub>3</sub> or IgD, nor with mouse IgM, IgA or IgE.

The material is non-cultural, non-infectious and is not pathogenic for animals or plants. It does not contain any animal or cell culture derived products or additions such as albumin or serum nor any toxic or harmful substances.

Immunosorb A is provided as a liquid solution with 20 % ethanol as preservative.

For research use only.

### Applications

- Purification of mouse and rabbit immunoglobulins
- Immobilization and detection of immunoglobulins
- Affinity chromatography

### Specifications

Content	Recombinant Protein A
Format	White liquid solution, 20 % EtOH
Source	<i>Staphylococcus aureus</i>
Purity	> 95 %
Package	flasks
Storage	4°C

### Directions for use

No additional mixing reagents are required. The material is not dependent on room temperature.

### Shipping and storage

The product is shipped at room temperature and is stable for 12 months if stored at 2°C to 8°C.

### Ordering information

Article no.	Product name	Pack size
10-1257-200	Immunosorb A	200 ml
10-1257-100	Immunosorb A	100 ml
10-1257-5	Immunosorb A	5 ml