Product information

**Background**
Protein A is a surface protein of *S. aureus* which binds IgG molecules by their Fc region. In serum, the bacteria will bind IgG molecules in the wrong orientation on their surface, which hinders opsonization and phagocytosis. Mutants of *S. aureus* lacking protein A are more efficiently phagocytosed in vitro and mutants in infection models have diminished virulence. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology.

**Immunogen**
Purified, recombinant Protein A from GE Healthcare, product number 17-0872

**Host**
Chicken

**Clonality**
Polyclonal

**Purity**
Affinity purified IgY.

**Format**
Liquid in 0.9% NaCl, 0.1% sodium azide. pH 7.2

**Quantity**
100 µl (1 mg/ml)

**Storage**
Store at 4°C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.

**Tested applications**
Affinity purified IgY

**Related products**
- IMS02-109-334 | Anti-Streptococcal Protein G, chicken antibodies
- IMS02-136-331 | Anti-Peptostreptococcus magnus Protein L, chicken antibodies
- AS15 2849 | Anti-Staphylococcus aureus, mouse antibodies
- Secondary antibodies

**Additional information**
The IgY fraction is isolated by a two-step PEG precipitation procedure followed by ammonium sulphate precipitation. This antibody can be used as capture and detection antibody in ELISA. as a detection ab, a dilution 1:2000 and can detect Protein A below 1ng/ml or 1ppm (where ppm is the concentration of Protein A relative to the concentration of IgG, e.g. 1 ng/mL Protein A in 1mg/mL of IgG equals 1 ppm).

**Application information**

**Recommended dilution**
1 : 500 as a capture antibody (ELISA), 1 : 2000 as a detection antibody (ELISA), 1 : 1000 (WB)

**Expected | apparent MW**
55 | 47 kDa

**Confirmed reactivity**
*Staphylococcus aureus*

**Predicted reactivity**
*Staphylococcus aureus*

**Not reactive in**
No confirmed exceptions from predicted reactivity are currently known.

**Additional information**
One precipitation arc in immunodiffusion against Staphylococcal Protein A. For high resolution images, please visit the specific product page at www.agrisera.com

For high resolution images, please visit the specific product page at www.agrisera.com