



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sia.com
sigma-aldrich.com

Product Information

Staphylococcus aureus

Product Number **S 2014**
Storage Temperature 2-8 °C

Product Description

This product is a single cell suspension with cells having a diameter of approximately 1 μm. These cells are fixed¹ and contain a high level of protein A on their surface. This product is routinely used as a solid-phase IgG-binding reagent for antigen immunoprecipitation.²⁻⁴ The protein A on the cell surface has a high affinity for the Fc domain of IgG. This product works best with the following isotypes: human (IgG1, IgG2, IgG4) rabbit IgG (all isotypes) mouse (IgG2a, IgG2b, IgG3). Another common application is the mitogenic stimulation of B lymphocytes.⁵

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Storage/Stability

Do not freeze the suspension.

References

1. Kessler, S. W., Meth. Enzymol., **73**, 442 (1981).
2. Kessler, S.W., Cell Membrane Antigen Isolation with the Staphylococcal Protein A Antibody adsorbent. Journal of Immunology, **117**, 1482-1490 (1976).
3. Infection & Immunity, **60**, 3909-3912 (1992).
4. Infection & Immunity, **62**, 1835-1842 (1994).
5. Forsgren, A., et al., Lymphocyte stimulation by protein A of *Staphylococcus aureus*. Eur. J. Immunol. **6(3)**, 207-213 (1976).

CMH/NSB 1/03

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.