

## Anti-Bovine Serum Albumin (A-11133)

### Quick Facts

#### Storage upon receipt:

- 4°C or -20°C in aliquots
- Avoid freeze-thaw cycles

for BSA and little or no crossreactivity to other serum proteins. The antibody can be used in enzyme and fluorescence immunoassays and blots, cell or tissue immunostaining. The product can be used as a precipitating antibody or as an immuno-adsorbant when attached to solid supports. For detection of this rabbit antibody, Molecular Probes offers a variety of second-step reagents labeled with biotin or with a wide range of fluorophores.

### Introduction

Anti-bovine serum albumin (anti-BSA) antibody can be used for the detection of BSA in tracer studies or in protease assays. Preconjugation of the anti-BSA with any of our numerous BSA conjugates permits their phagocytosis via Fc receptor. For example, anti-BSA antibody complexed with dichlorodihydrofluorescein BSA has been used for directly measuring the kinetics of Fc receptor-mediated internalization and subsequent oxidative burst in phagocytosis.<sup>1</sup> Immune complex of anti-BSA with heavily labeled BSA (DQ™ Green BSA) was employed for flow cytometric monitoring of endocytosis, via the Fc receptors, and subsequent digestion in phagolysosomes of human neutrophils (Dr. Elizabeth Simons, personal communication).

Molecular Probes offers a highly purified anti-BSA rabbit IgG fraction (A-11133). This antibody demonstrates high specificity

### Contents and Storage

Anti-BSA antibody is supplied in a 0.5 mL unit size as a 2 mg/mL solution in phosphate-buffered saline, pH 7.2 (PBS) containing 5 mM sodium azide. When this product is stored undiluted at 4°C, it is stable for at least three months. For longer storage, divide the solution into single-use aliquots and freeze at -20°C. Frozen aliquots are stable for at least six months. AVOID REPEATED FREEZING AND THAWING.

### Application

Because staining protocols vary with application, the appropriate dilution of antibody should be determined empirically. We suggest using serial dilutions from about 1:100 to 1:1000 to determine the optimal conditions for your experiments.

### References

1. J Immunol Methods 130, 223 (1990).

### Product List *Current prices may be obtained from our Web site or from our Customer Service Department.*

Cat #	Product Name	Unit Size
A-11133	anti-bovine serum albumin, rabbit IgG fraction (anti-BSA) *2 mg/mL*	0.5 mL

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## Contact Information

Further information on Molecular Probes' products, including product bibliographies, is available from your local distributor or directly from Molecular Probes. Customers in Europe, Africa and the Middle East should contact our office in Leiden, the Netherlands. All others should contact our Technical Assistance Department in Eugene, Oregon.

Please visit our Web site — [www.probes.com](http://www.probes.com) — for the most up-to-date information

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