

**BOVINE ALBUMIN Peroxidase conjugated (BSA)- 001-0333**
**Code:** 001-0333

**Size:** 1 mg

**Product Description:** BOVINE ALBUMIN Peroxidase conjugated (BSA)- 001-0333

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

|                               |   |
|-------------------------------|---|
| <b>Label</b>                  | Peroxidase (Horseradish)  |
| <b>Buffer</b>                 | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2   |
| <b>Reconstitution Volume</b>  | 1.0 mL  |
| <b>Reconstitution Buffer</b>  | Restore with deionized water (or equivalent)  |
| <b>Stabilizer</b>             | 10 mg/ml Polyethylene Glycol (PEG-8000)   |
| <b>Preservative</b>           | 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!  |
| <b>Storage Condition</b>      | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.   |
| <b>Synonyms</b>               | Bovine Albumin Peroxidase conjugation, Bovine Albumin HRP conjugation, Peroxidase conjugated BSA, HRP conjugated BSA  |
| <b>Application Note</b>       | BOVINE ALBUMIN Peroxidase conjugated (BSA) is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.   |
| <b>Background</b>             | Bovine Serum Albumin (BSA) is used for various biochemical applications including ELISA (Enzyme-Linked Immunosorbent Assay), high content screening assays, western blotting, FACS Buffer and immunohistochemistry. BSA as a blocking reagent is particularly useful with casein-sensitive antibodies, such as phospho-specific antibodies. Also used as a nutrient in cell and microbial culture. In restriction digests, BSA is used to stabilize some enzymes during digestion of DNA and to prevent adhesion of the enzyme to reaction tubes and other vessels. Bovine Serum Albumin can also be used to determine the quantity of other proteins, by comparing an unknown quantity of protein to known amounts of BSA. |
| <b>Purity And Specificity</b> | This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and selective precipitation followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase anti-Bovine Albumin and anti-Bovine Serum.   |
| <b>Assay Dilutions</b>        | User Optimized  |
| <b>Other Assays</b>           | User Optimized  |
| <b>Expiration</b>             | Expiration date is one (1) year from date of opening.   |
| <b>Related Products</b>       |   |
|                               | 010-0102 MOUSE IgG whole molecule - 010-0102  |
|                               | 610-4302 Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302  |
|                               | 611-1302 Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302   |
|                               | BSA-50 BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50  |

**Disclaimer**

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.