

# SULFHYDRYL BLOCKED BSA (sBSA)



Sulfhydryl Blocked BSA (sBSA) offers effective blocking capabilities for immunoassays that require a less reactive blocker. Thiol-sensitive assays are one of the most common use cases for sBSA as the free thiol group is blocked, resulting in a high monomer albumin with less cross reactivity.

Enzymatic assays, like acridinium ester chemiluminescence, also align with the profile of sBSA because it is stabilized with fatty acids, but does not contain EDTA.

## FEATURES & BENEFITS

- Ideal for applications that are sensitive to free thiols
- >90% of the free thiol groups in BSA are irreversibly blocked, resulting in industry-leading stability
- Compatible with maleimide conjugation



### sBSA | Typical Analysis

|                                   |                        |
|-----------------------------------|------------------------|
| Physical Appearance               | White amorphous flakes |
| Purity (Albumin)                  | ≥ 98%                  |
| Protein (Dry Basis)               | ≥ 98%                  |
| Solubility (4% Solution in Water) | Clear-to-slightly-hazy |
| Moisture                          | ≤ 5.0%                 |
| pH (7% Solution)/Temp             | 6.5–7.5/Ambient        |
| Free Sulfhydryl Content           | ≤ 0.1 mol/mol albumin  |
| IgG                               | None Detected          |
| Protease                          | None Detected          |
| Sodium                            | ≤ 15.0 mg/g            |
| Chloride                          | ≤ 6.0 mg/g             |

