

# 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

