# SouthernBiotech

# Mouse Anti-S-Tag

| Cat. No. | Format | Size |
|---|---|---|
| 4600-01 | Purified (UNLB) | 0.5 mg |
| 4600-02 | Fluorescein (FITC) | 0.5 mg |
| 4600-05 | Horseradish Peroxidase (HRP) | 1.0 mL |
| 4600-08 | Biotin (BIOT) | 0.5 mL |
| 4600-09 | R-phycoerythrin (PE) | 0.1 mg |

## Overview

**Clone** SBSTAGa
**Isotype** Mouse (BALB/c) $IgG_1\kappa$
**Immunogen** Recombinant S-tag protein
**Specificity** S-tag

## Applications

ELISA – Quality tested
FLISA – Quality tested
WB – Reported in literature [1]

## Working Dilutions

| | | |
|---|---|---|
| **ELISA** | Purified (UNLB) antibody | ≤ 1 µg/mL |
| | HRP conjugate | 1:1,000 – 1:2,000 |
| | BIOT conjugate | 1:5,000 – 1:10,000 |
| **FLISA** | FITC conjugate | 1:200 – 1:400 |
| | PE conjugate | ≤ 1 µg/mL |
| **Other Applications** | Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need. | |

## Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added*. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/$NaN_3$. Store at 2-8°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/$NaN_3$. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/$NaN_3$ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

Some reagents contain sodium azide. Please refer to product specific (M)SDS.

## References


1. Makhmoudova A, Williams D, Brewer D, Massey S, Patterson J, Silva A, et al. Identification of multiple phosphorylation sites on maize endosperm starch branching enzyme IIb, a key enzyme in amylopectin biosynthesis. J Biol Chem. 2014;289:9233-46. (WB)


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