



## S-probe (SBSTABb): sc-52612

### BACKGROUND

Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are in common usage; such expression vectors are frequently used to encode fusion proteins consisting of a eukaryotic target protein and a specialized region designed to aid in the purification or quantification of the target protein. A novel system that addresses the issue of protein quantification utilizes an enzymatically cleaved derivative of bovine RNase A, called RNase S. RNase S is composed of the S-peptide (residues 1-20) and the S-protein (residues 21-124), which together form the active enzyme. Although the S-protein itself is inactive, addition of the S-peptide, or a fusion protein tagged with the S-peptide, will reconstitute its enzymatic activity which can then be assayed on a poly(C) substrate and quantified by spectroscopy.

### REFERENCES

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### SOURCE

S-probe (SBSTABb) is a mouse monoclonal antibody raised against recombinant S-Tag.

### PRODUCT

Each vial contains 100  $\mu$ g IgG<sub>2a</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

### APPLICATIONS

S-probe (SBSTABb) is recommended for detection of S-Tag of nsr origin by flow cytometry (1  $\mu$ g per 1 x 10<sup>6</sup> cells).

### STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.