

## Anti-Dansyl Antibody (A-6398)

### Quick Facts

#### Storage upon receipt:

- 4°C or -20°C in aliquots
- Avoid freeze-thaw cycles

tently high titer value. In the case of the anti-dansyl antibody, this assay actually measures fluorescence enhancement.

### Materials

#### Contents

The anti-dansyl antibody is supplied in a unit size of 0.5 mL as a 1 mg/mL solution in phosphate-buffered saline (PBS), pH 7.2, containing 5 mM sodium azide. As supplied, 20 µL of the antibody solution is certified to produce ≥50% of the maximal fluorescence enhancement of 1 mL of a 50 nM solution of dansyl, assayed in 100 mM sodium phosphate, pH 8.0. Maximal fluorescence enhancement for dansyl is typically about a 10-fold enhancement over the fluorescence of the free dye. Due to steric hindrance, maximal fluorescence enhancement of the dansyl fluorophore covalently bound to protein may be less.

#### Storage and Handling

When this product is stored undiluted at 4°C, it is stable for at least three months. For longer storage, divide solution into single-use aliquots and freeze at -20°C. Frozen aliquots are stable for at least six months. **AVOID REPEATED FREEZING AND THAWING.**

### Introduction

Molecular Probes offers a variety of anti-fluorescent dye antibodies that recognize specific fluorophores and, in most cases, quench their fluorescence. The anti-dansyl antibody (A-6398) differs from most other anti-fluorescent dye antibodies in that it enhances, rather than quenches, the fluorescence of the fluorophore to which it binds. This antibody enhances the fluorescence of dansyl by about 10-fold and blue-shifts the dye's emission peak from ~520 nM to ~450 nM, and therefore can serve to strengthen the signal in samples where dansyl is used as a probe.

Molecular Probes uses a sensitive quenching assay to ensure that our anti-fluorescent dye antibodies are provided at a consis-

### References

1. Biochemistry 30, 2888 (1991);
2. Biochim Biophys Acta 817, 238 (1985);
3. Biochim Biophys Acta 778, 612 (1984);
4. J Biol Chem 259, 5661 (1984).

### Product List *Current prices may be obtained from our Web site or from our Customer Service Department.*

Cat #	Product Name	Unit Size
A-6398	anti-dansyl, rabbit IgG fraction *1 mg/mL* .....	0.5 mL

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## Contact Information

Further information on Molecular Probes' products, including product bibliographies, is available from your local distributor or directly from Molecular Probes. Customers in Europe, Africa and the Middle East should contact our office in Leiden, the Netherlands. All others should contact our Technical Assistance Department in Eugene, Oregon.

Please visit our Web site — [www.probes.com](http://www.probes.com) — for the most up-to-date information

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