



## ANTI-DOPAMINE $\beta$ -HYDROXYLASE (DBH)-SAP, clone 4F10.2

|                 |                               |                |             |
|-----------------|-------------------------------|----------------|-------------|
| CATALOG NUMBER: | MAB394-100UG                  | QUANTITY:      | 100 $\mu$ g |
| LOT NUMBER:     | XXXXXXXXXX                    | CONCENTRATION: | Xxx mg/mL   |
| SPECIFICITY:    | Dopamine $\beta$ -Hydroxylase |                |             |

DBH is a single gene product that exists as a cytosolic enzyme, as a membrane protein and is secreted into the circulation (1). Because of its residence time as a plasma membrane-bound protein, it is able to be used as a targeting agent for neurons. The target neurons include postganglionic sympathetic neurons and all noradrenergic and adrenergic neurons of the central nervous system. As such anti-DBH-SAP can be used for the production of acute peripheral autonomic failure in a model for the human disease. It can also be used for the analysis of the behavioral effects of noradrenergic or adrenergic ablation. When injected intraventricularly, noradrenergic neurons of the locus coeruleus are eliminated (2). The antibody and immunotoxin undergo retrograde transport.

**FORMAT:** Saporin Conjugated. Liquid in phosphate buffered saline. Contains no preservative.

**STORAGE/HANDLING:** The material should be stored at -80°C for up to six months under sterile conditions. Avoid repeated freeze-thaw cycles.

**REFERENCES:**

- 1) Lewis, EJ, Asnani LP, *J. Biological Chemistry* (1992) **267**:494-500.
- 2) Wiley, RG, Lappi, DA: Suicide Transport and Immunolesioning. Austin, R.G. Landes Company, 1994.
- 3) Picklo, MJ et al., *J of Pharm and Exp. Therapeutics* (1995) **275**:1003-1010.
- 4) Wrenn, et al., *Brain Research* (1996) **740**:175-186.

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC  
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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