



## Product Information Sheet

### Monoclonal Anti-Tyrosine Hydroxylase (Magnetic Bead conjugate)

**Catalogue No.** MA1100-M

**Immunogen**

Rat tyrosine hydroxylase (TH)

**Lot No.** 08A12

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Clone:** TH-100

**Ig type:** mouse IgG1

**Formulation**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Size:** 200µl

**Specificity**

Human, rat, rabbit.

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

*Immunoprecipitation (IP)*

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

### BACKGROUND

Tyrosine hydroxylase is involved in the conversion of phenylalanine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons. Human TH gene contains 13 primary exons and spans approximately 8 kb. TH is in the 11p15.5 region

### REFERENCE

1. Brilliant, M. H.; Niemann, M. M.; Eicher, E. M. : urine tyrosine hydroxylase maps to the distal end of chromosome 7 within a region conserved in mouse and man. *J. Neurogenet.* 4: 259-266, 1987.
2. Craig, S. P.; Buckle, V. J.; Craig, I. W.; Lamouroux, A.; Mallet, J. : Localization of the human tyrosine hydroxylase gene to chromosome 11p15. (Abstract) *Cytogenet. Cell Genet.* 40: 610 only, 1985.
3. Craig, S. P.; Buckle, V. J.; Lamouroux, A.; Mallet, J.; Craig, I. : Localization of the human tyrosine hydroxylase gene to 11p15: gene duplication and evolution of metabolic pathways. *Cytogenet. Cell Genet.* 42: 29-32, 1986.

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