



## Product Information Sheet

### Monoclonal Anti-Tryptophan Hydroxylase (Sephacose Bead Conjugate)

**Catalogue No.** MA1099-S

**Lot No.** 08A12

**Clone:** Try-63

**Ig type:** mouse IgG3

**Size:** 200µl

**Specificity**

Human, rat, rabbit,.

No cross reactivity with other proteins.

**Recommended application**

*Immunoprecipitation(IP)*

**Immunogen**

Recombinant rabbit tryptophan hydroxylase.

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 preservative.

**Storage**

Store at 4°C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacose beads. It is useful for immunoprecipitation assays

#### BACKGROUND

Tryptophan hydroxylase is the rate-limiting enzyme in the synthesis of serotonin (5-hydroxytryptamine, or 5HT).

Tryptophan hydroxylase catalyzes the bipterin-dependent monooxygenation of tryptophan to 5-hydroxytryptophan (5HT), which is subsequently decarboxylated to form the neurotransmitter serotonin. Human tryptophan hydroxylase (TPH) is mapped to chromosome 11p15.3-p14 by in situ hybridization.

#### REFERENCE

1 Craig, S. P.; Boularand, S.; Darmon, M. C.; Mallet, J.; Craig, I. W. : Localization of human tryptophan hydroxylase (TPH) to chromosome 11p15.3-p14 by in situ hybridization. *Cytogenet. Cell Genet.* 56: 157-159, 1991. 2 Nielsen, D. A.; Dean, M.; Goldman, D. : Genetic mapping of the human tryptophan hydroxylase gene on chromosome 11, using an intronic conformational polymorphism. *Am. J. Hum. Genet.* 51: 1366-1371, 1992.

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