

ANTI-TYROSINE HYDROXYLASE

**Anti-Tyrosine Hydroxylase Monoclonal Antibody
Clone TH2**

Catalog # 01412

0.2 mL

SPECIFICITY:

Monoclonal Anti-Tyrosine Hydroxylase (TH) recognizes the rodent and human N-terminal region of tyrosine hydroxylase which catalyzes the hydroxylation of L-tyrosine to L-3,4-dihydroxyphenylalanine (L-dopa) in brain and adrenal medulla. L-dopa is required for the biosynthesis of catecholamines (dopamine, norepinephrine and epinephrine) which function as neurotransmitters and hormones.

CLONE: TH-2

ISOTYPE: IgG₁

PREPARATION:

The antibody was generated from the hybridoma produced from the fusion of mouse myeloma cells and splenocytes from a mouse immunized against the immunogen rat tyrosine hydroxylase.

FORMAT:

Mouse ascites fluid with 0.1% sodium azide.

STABILITY AND STORAGE:

Store at -20°C in undiluted aliquots. Stable for at least 6 months. Store at 2-8°C in undiluted aliquots for up to one month. Repeated freezing and thawing is not recommended.

APPLICATIONS AND DIRECTIONS FOR USE:

Centrifuge tube briefly before use to ensure recovery of entire contents.

Dilute with medium or phosphate buffered saline containing appropriate blocking serum. The optimal working dilution should be determined for each specific application. Refer to the NeuroCult™ Procedure Manual or ES-Cult™ Protocols - Neural available on our website at www.stemcell.com for further instructions on the use of this antibody.

Hazardous Ingredient: Sodium Azide. Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.

**THIS REAGENT IS FOR RESEARCH ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.**