

Product Information

ANTI-TROPOMYOSIN

Developed in Rabbit

Delipidized, Whole Antiserum

Product No **T 3651**

Product Description

Anti-Tropomyosin is developed in rabbit using purified smooth muscle tropomyosin from chicken gizzard as the immunogen. The antiserum has been treated to remove lipoproteins. Rabbit Anti-Tropomyosin is supplied as a liquid containing 0.1% sodium azide

Specificity

Rabbit Anti-Tropomyosin specifically stains tropomyosin in cell cultures using indirect immunofluorescent labeling. The staining of stress fibers shows a typical banded pattern. In immunoblotting, Anti-Tropomyosin specifically stains the two tropomyosin bands.

Protein Concentration: Determined by Biuret.

Working Dilutions

1. A minimum working dilution of 1:40 was determined by indirect immunofluorescent labeling of cultured chicken fibroblasts.
2. A minimum working dilution of 1:100 was determined by indirect immunoblotting using total tissue extract.

In order to obtain best results, it is recommended that each individual user determine their optimum working dilution by titration assay.

Tropomyosin is a rigid, rod shaped protein, closely associated with actin filaments. In non-muscle cells grown in culture, tropomyosin is distributed periodically along the length of the stress fibers.

Uses

Rabbit Anti-Tropomyosin may be used for visualization of tropomyosin in various tissues and cell cultures. The product reacts best on cultured chicken fibroblasts. Good immunofluorescent labeling may also be obtained with cells from other species.

Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Precaution and Disclaimer

Consult the MSDS for information regarding hazards and safe handling practices.

7/99

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