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## Product Information

### Anti-Tubulin

Delipidized, Whole Antiserum

Product Number **T 3526**

#### Product Description

Anti-Tubulin is developed in rabbit using tubulin purified from 13 day old chicken embryos as the immunogen. The antiserum has been treated to remove lipoproteins.

Anti-Tubulin is specific for tubulin as demonstrated by counter immunoelectrophoresis. Rabbit Anti-Tubulin has not been adsorbed on microtubule associated proteins (MAP's) and therefore may contain antibodies to high and low molecular weight MAP's.

Microtubules are composed of tubulin and several additional proteins designated microtubule associated proteins (MAPs). Tubulin is a heterodimer which consists of an  $\alpha$ -chain and a  $\beta$ -chain, both of which have a molecular weight of approximately 55,000. Microtubules form an elaborate cytoplasmic network during interphase and are reorganized into the mitotic spindle during cell division.

#### Reagents

The product is supplied as a liquid with 0.1% sodium azide as a preservative.

#### Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult

the MSDS for information regarding hazards and safe handling practices.

#### Storage/Stability

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.

#### Product Profile

For indirect immunofluorescence, a working dilution of at least 1:80 is recommended using cultured fibroblasts and FITC Goat Anti-Rabbit IgG (Product No. F 9887) as the secondary antibody.

For immunoblotting, a working dilution of at least 1:50 is recommended using chicken gizzard extract and Peroxidase Goat Anti-Rabbit IgG (Product No. A 0545) as the secondary antibody.

In order to obtain the best results in various techniques, it is recommended that each individual user determine their optimal working dilution by titration.

Kaa 10/03

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