BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-beta Tubulin

**Catalog Number:** M32657

## About Tubb5

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain.

## Overview

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|---|---|
| Product Name | Anti-beta Tubulin |
| Reactive Species | Mouse, Rat |
| Description | Boster Bio Anti-beta Tubulin (Catalog # M32657). Tested in WB, Flow Cytometry, IF application(s). This antibody reacts with Mouse, Rat. |
| Application | Flow Cytometry, IF, WB |
| Clonality | Polyclonal |
| Formulation | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P99024 |

## Technical Details

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|---|---|
| Immunogen | This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 46-78 amino acids from human. |
| Predicted Reactive Species | Bovine, C. elegans, Chicken, Drosophila, Hamster, Human, Monkey, Pig, Xenopus |
| Isotype | Rabbit IgG |
| Purification | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows:<br>Boster Bio's internal QC testing used:<br>IF: 1:25<br>WB: 1:2000<br>FC: 1:25 |

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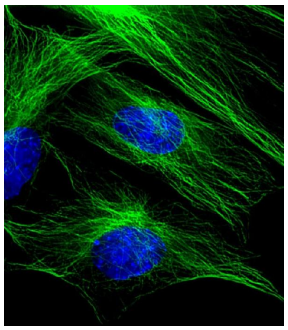
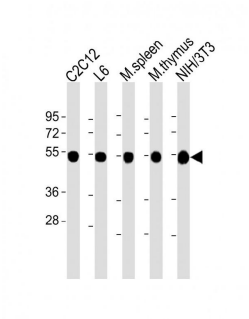
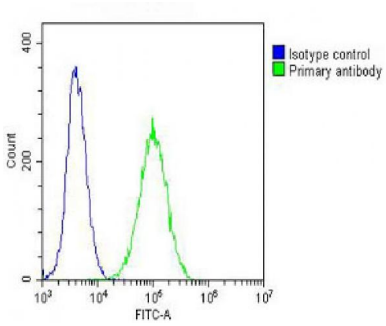
# Anti-beta Tubulin (M32657) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized C2C12 (mouse myoblast cell line) cells labeling beta Tubulin with M32657 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on C2C12 cell line. The nuclear counter stain is DAPI (blue).




All lanes : Anti-beta Tubulin at 1:2000 dilution
Lane 1: C2C12 whole cell lysate
Lane 2: L6 whole cell lysate
Lane 3: mouse spleen lysate
Lane 4: mouse thymus lysate
Lane 5: NIH/3T3 whole cell lysate
Lysates/proteins at 20 µg per lane.
Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 50 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.




Overlay histogram showing NIH/3T3 cells stained with M32657 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M32657, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.