

Anti- β - tubulin Monoclonal Antibody

PRODUCT NAME: Anti- β -tubulin Monoclonal Antibody

CATALOG NUMBER: U33-290A

LOT NUMBER: U33022

ISOTYPE: Mouse IgG1

Clone NO: 1B20

SOURCE: Mouse Ascites

QUANTITY: 100ul/400ul

DESCRIPTION: Monoclonal antibody is produced by immunizing mouse with synthetic peptide [(ESNMNDLVSEYQQYQDATA)], coupled to KLH.

REACTIVITY: human, mouse, African green monkey

APPLICATIONS: Western Blot, Immunoprecipitation

BUFFER: 1×PBS with 50% glycerol

PROTEIN CONCENTRATION: 0.5 mg/ml

APPLICATION NOTES: Western Blot: 0.5 μ g/ml

STORAGE/STABILITY: Antibody is recommended being stored at -20°C. Avoid repeated freeze-thaw cycle.

Background:

Microtubules are constituent parts of the mitotic apparatus, cilia, flagella, and elements of the cytoskeleton. They consist principally of 2 soluble proteins, alpha- and beta-tubulin, each of about 55,000 Da. Antibodies against beta Tubulin are useful as loading controls for Western Blotting. However it should be noted that levels of β -Tubulin may not be stable in certain cells. For example, expression of β -Tubulin in adipose tissue is very low and therefore β -Tubulin should not be used as loading control for these tissues.