



# ELK Biotechnology

$\beta$  -Tubulin Mouse mAb  
Catalog NO.: EM1114  
For research use only.

## Overview

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Product name	$\beta$ -Tubulin Mouse Monoclonal antibody
Source	Mouse
Applications	WB IHC IF
Species reactivity	Zebrafish
Recommended dilutions	WesternBlot:1/5000-20000 Immunohistochemistry:1/200 Immunofluorescence:1/200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	55kDa
GeneID (Human)	203068
Human Swiss-Prot No.	P07437
Cellular localization	N/A
Alternative Names	N/A

**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 55000 Da. Antibodies against beta Tubulin are useful as loading controls for Western Blotting. However it should be noted that levels of  $\beta$  -Tubulin may not be stable in certain cells. For example expression of  $\beta$  -Tubulin in adipose tissue is very low and

therefore  $\beta$ -Tubulin should not be used as loading control for these tissues.

Western blot analysis of Zebrafish skeletal muscle with  $\beta$ -tubulin Mouse mAb(Zebrafish Specific) diluted at:5000.

