



## $\beta$ -tubulin Mouse Monoclonal Antibody(Zebrafish Specific)

E12-142

**Catalog Number:** E12-142**Amount:** 100 $\mu$ g/100 $\mu$ l

**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  $\beta$ -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.

**Form of Antibody:** Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year. Do not aliquot the antibody.

**Specificity/Sensitivity:** The  $\beta$ -tubulin antibody can detect Zebrafish endogenous  $\beta$ -tubulin protein.

**Reactivity:** Zebrafish

**Applications:** WB: 1:5,000-20,000      IHC: 1:200      IF: 1:200



Western blot analysis of Zebrafish skeletal muscle with  $\beta$ -tubulin  
Mouse mAb(Zebrafish Specific) diluted at 1:5,000.

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