

## β-Tubulin (5G3) Mouse mAb (HRP)

CatalogNo: YM2208

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human, Mouse, Rat, Mk, Dg, Ch, Hamster, Rabbit, sheep, Insect, Yeast

#### Applications

- WB, IHC, IF

#### MW

- 55kD  
(Observed)

#### Conjugate

- HRP

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:1000-1:3000**

**IHC 1:50-1:200**

**IF 1:200**

### Basic Information

**Clonality** Monoclonal

**Clone Number** 5G3

### Immunogen Information

**Immunogen** Recombinant Protein of β-tubulin (HRP Conjugated)

**Specificity** The β-tubulin antibody can detect endogenous β-tubulin protein.

## Target Information

**Gene name** TUBB  
**Protein Name** Tubulin beta chain (Tubulin beta-5 chain)

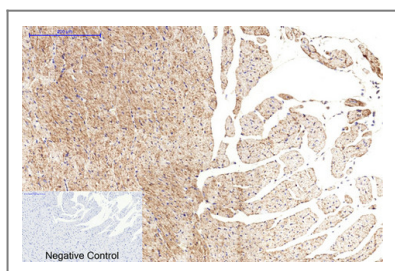
Organism	Gene ID	UniProt ID
Human	<a href="#">203068</a> ;	<a href="#">P07437</a> ;
Mouse		<a href="#">P99024</a> ;
Rat		<a href="#">P69897</a> ;

**Cellular Localization** Cytoplasm, cytoskeleton .

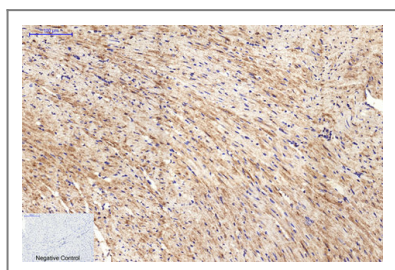
**Tissue specificity** Ubiquitously expressed with highest levels in spleen, thymus and immature brain.

**Function** Domain:The highly acidic C-terminal region may bind cations such as calcium.,Function: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.,online information:Tubulin entry,similarity:Belongs to the tubulin family.,subunit:Dimer of alpha and beta chains.,tissue specificity:Ubiquitously expressed with highest levels in spleen, thymus and immature brain.,

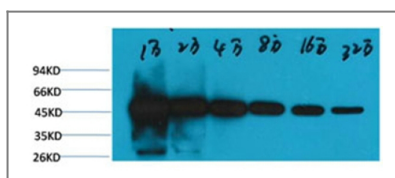
## Validation Data



Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,  $\beta$ -tubulin (HRP Conjugated) Monoclonal Antibody(5G3) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1,  $\beta$ -tubulin (HRP Conjugated) Monoclonal Antibody(5G3) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Western blot analysis of HeLa, with  $\beta$ -tubulin-HRP Conjugated diluted at 1:10,000, 20,000, 40,000, 80,000, 160,000, 320,000.

## | Contact information

Orders: order.cn@immunoway.com  
Support: support.cn@immunoway.com  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
 **$\beta$ -Tubulin (5G3)**  
**Mouse mAb (HRP)**

---

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)