

## Anti-Myosin light chain 3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

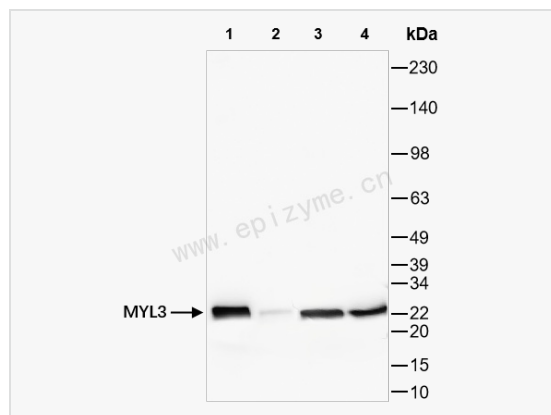
Catalog # R015805

### Product Information

|             |                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Application | WB, ELISA                                                                                                                         |
| Reactivity  | Mouse, Rat                                                                                                                        |
| Dilution    | WB 1:1,000~1:2,000                                                                                                                |
| Host        | Rabbit                                                                                                                            |
| Clonality   | Monoclonal                                                                                                                        |
| Clone No.   | 95A83Q84                                                                                                                          |
| Isotype     | IgG                                                                                                                               |
| Label       | Unconjugated                                                                                                                      |
| Immunogen   | A synthesized peptide derived from human MYL3                                                                                     |
| Format      | Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                           |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.       |
| Precautions | Anti-Myosin light chain 3 Rabbit mAb [95A83Q84] is for research use only and not for use in diagnostic or therapeutic procedures. |

### Protein Information

|               |                                                                                                                                                                                                                                                                                                                      |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms      | Myosin light chain 3; Cardiac myosin light chain 1; Ventricular myosin alkali light chain; Ventricular myosin light chain 1; Ventricular/slow twitch myosin alkali light chain; CMLC1; MLC1SB; VLC1; MLC-IV/sb; MYL3.                                                                                                |
| Calculated MW | Calculated MW: 22 kDa; Observed MW: 22 kDa                                                                                                                                                                                                                                                                           |
| Uniprot ID    | P08590, P09542, P16409                                                                                                                                                                                                                                                                                               |
| Gene ID       | 4634, 17897, 24585                                                                                                                                                                                                                                                                                                   |
| Background    | MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008] |



Western Blot - Anti-Myosin light chain 3 Rabbit mAb [95A83Q84]

All lanes: R015805 at 1:1,000 dilution

Lane 1: Mouse heart whole tissue lysates

Lane 2: Mouse muscle whole tissue lysates

Lane 3: Rat heart whole tissue lysates

Lane 4: Rat muscle whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 22 kDa

Observed band size: 22 kDa

Developed using the ECL technique (Cat. No. SQ201).