

Myosin (slow) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251771

Unit: 0.1 mg

Description:

Myosin is a hexameric protein involved in muscle contraction, which consists of two heavy chains (200kDa), and four light chains (20kDa): two phosphorylated regulatory subunits (MLC2) and two non-phosphorylated subunits (alkali or MLC1 and MLC3 types). Myosin (slow) (myosin light chain 1, slow-twitch muscle B/ventricular isoform, also called MYL3) is mapped to the region 3p. Defects in MYL3 are the cause of familial hypertrophic cardiomyopathy type 8 (CMH8).

Isotype: Mouse IgG1

Applications: E, IHC, WB

Species Reactivity: H, M, R

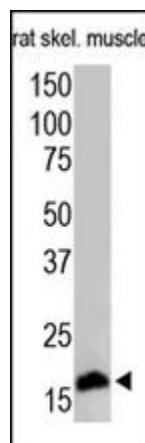
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 2% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Myosin light chain 3; Cardiac myosin light chain 1; CMLC1; Myosin light chain 1, slow-twitch muscle B/ventricular isoform; MLC1SB; Ventricular/slow twitch myosin alkali light chain; MYL3

Accession No.: P08590

Antigen: Human skeletal muscle myosin purified from myofibrils.

Application Notes: E: 1:1,000-1:2,000; WB: 1:500-1:2,000; IHC: 1:200-1:1,000



The Myosin (slow) Antibody (Cat. No. 251771) is used in Western blot to detect Myosin (slow) in rat skeletal muscle tissue lysate.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.