Antibody to **Myosin Heavy Chain (fast)**

**Cat. No. VP-M665**

**Product Specifications**

**Description:**
Myosin Heavy Chain (fast) mouse monoclonal antibody

**Immunoglobulin class:** IgG1

**Clone:** WB-MHCf

**Immunogen:** Native myosin extracted from rabbit psoas muscle.

**Epitope:** Not determined.

**Presentation:** Lyophilized tissue culture supernatant containing 15mM sodium azide. Reconstitute with 1ml of distilled water.

**Species cross-reactivity:** Human, dog, goat, mouse, rabbit, rat, sheep and pig.

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
- Paraffin sections: No
- Frozen sections: Unfixed
- Working Dilution*: 1:10 - 1:40 for 1 hr at 25°C
- Positive Control: Type II myosin heavy chain (both IIA and IIB) in human, rat, mouse, rabbit, dog, sheep, pig and goat muscle. Cytoplasmic staining pattern.

**Western blotting:** Not recommended.
* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
Myosin is one of the key proteins involved with muscle contraction. It is a rod-like molecule consisting of heavy and light chains. The heavy chain component varies between different muscles and fiber types and some isoforms are developmentally regulated. This antibody will help characterize myosin heavy chain during muscle fiber development and regeneration.

**Selected References**

VP-M665 is recommended FOR PROFESSIONAL AND RESEARCH USE ONLY.