

**Mouse MYO5A (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6352c****Specification****Mouse MYO5A (C-term) Blocking Peptide -  
Product Information**Primary Accession [Q99104](#)**Mouse MYO5A (C-term) Blocking Peptide -  
Additional Information****Gene ID** 17918**Other Names**

Unconventional myosin-Va, Dilute myosin heavy chain, non-muscle, Myo5a, Dilute

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6352c](/product/products/AP6352c) was selected from the C-term region of human Mouse MYO5A (C-term). A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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Protein Information****Name** Myo5a**Synonyms** Dilute**Mouse MYO5A (C-term) Blocking Peptide -  
Background**

Myosin V function in the centrosome of human lymphocytes may be essential either for cellular proliferation or for the polarized movement of the centrosome that occurs during T-killer or T-helper cell response. In all cells investigated, myosin V immunoreactivity was associated with the centrosome. In interphase cells, myosin V was found in pericentriolar material, and in both mother and daughter centrioles. During cell division, myosin V staining was intense throughout the cytoplasm and was concentrated in a trail between migrating centrioles and in the mitotic spindle poles and spindle fibers. The consistent association of myosin V with the centrosome was observed at all stages of the cell cycle.

**Function**

Processive actin-based motor that can move in large steps approximating the 36-nm pseudo-repeat of the actin filament. Involved in melanosome transport. Also mediates the transport of vesicles to the plasma membrane. May also be required for some polarization process involved in dendrite formation.

**Tissue Location**

Detected in melanocytes.

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Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)