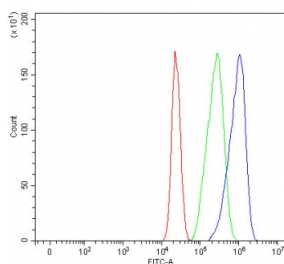


## Myosin IB Antibody / MYO1B (RQ8349)

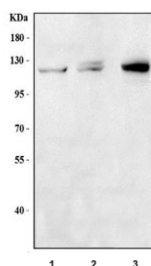
Catalog No.	Formulation	Size
RQ8349	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	O43795
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Myosin IB antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with Myosin IB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Myosin IB antibody.



Western blot testing of 1) human A431, 2) human HepG2 and 3) mouse lung tissue lysate with Myosin IB antibody. Predicted molecular weight: 125-132 kDa (two isoforms).

## Description

Myosin-Ib is a protein that in humans is encoded by the MYO1B gene. Enables ATP binding activity; actin filament binding activity; and microfilament motor activity. Involved in actin filament organization and post-Golgi vesicle-mediated transport. Located in several cellular components, including actin filament; endosome; and perinuclear region of cytoplasm. Colocalizes with trans-Golgi network membrane.

## Application Notes

Optimal dilution of the Myosin IB antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (R231-R1125) was used as the immunogen for the Myosin IB antibody.

## Storage

After reconstitution, the Myosin IB antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.