

## Human Myosin-Ib (MYO1B) ELISA Kit | MYO1B elisa kit

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CATALOG #  
**AAA331587**

REACTIVITY  
**Human**

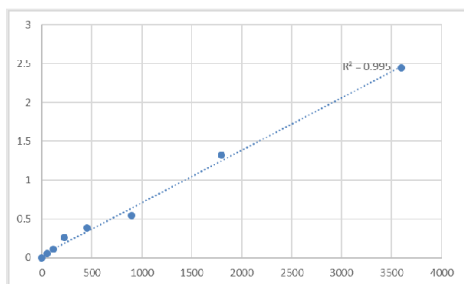
### PRODUCT SYNONYMS

Myosin-Ib (MYO1B); Human Myosin-Ib (MYO1B) ELISA Kit; MYO1B; myr1; MYO1B variant protein; OTTHUMP00000163591; myosin-I alpha; MYO1B elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Myosin-Ib (MYO1B) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYO1B. No significant cross-reactivity or interference between Human MYO1B and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length         | 1136                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Myosin-Ib (MYO1B) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MYO1B elisa kit | <p>Description: This Human Myosin-Ib (MYO1B) ELISA Kit employs a two-site sandwich ELISA to quantitate MYO1B in samples. An antibody specific for MYO1B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYO1B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYO1B is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MYO1B bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: MYO1B (Myosin IB) is a Protein Coding gene. Diseases associated with MYO1B include Glass Syndrome and Amebiasis. Among its related pathways are Sertoli-Sertoli Cell Junction Dynamics and Delta508-CFTR traffic/ ER-to-Golgi in CF. GO annotations related to this gene include calmodulin binding and motor activity. An important paralog of this gene is MYO1A. Motor protein that may participate in process critical to neuronal development and function such as cell migration, neurite outgrowth and vesicular transport.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI GI #                        | 194328685                          |
| NCBI GeneID                      | 4430                               |
| NCBI Accession #                 | NP_001123630.1                     |
| NCBI GenBank Nucleotide #        | NP_001123630.1                     |
| UniProt Accession #              | O43795                             |
| NCBI Official Full Name          | unconventional myosin-Ib isoform 1 |
| NCBI Official Synonym Full Names | myosin IB                          |
| NCBI Official Symbol             | MYO1B                              |
| NCBI Official Synonym Symbols    | MMIa; myr1; MYH-1c; MMI-alpha      |
| NCBI Protein Information         | unconventional myosin-Ib           |
| UniProt Protein Name             | Unconventional myosin-Ib           |
| UniProt Gene Name                | <b>MYO1B</b>                       |
| UniProt Synonym Gene Names       | MMI-alpha; MMIa                    |
| UniProt Entry Name               | MYO1B_HUMAN                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myosin-ib-myo1b/331587>