

## Human Myosin-If (MYO1F) ELISA Kit | MYO1F elisa kit

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CATALOG #  
**AAA331583**

REACTIVITY  
**Human**

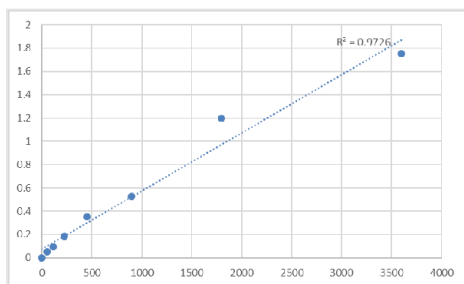
### PRODUCT SYNONYMS

Myosin-If (MYO1F); Human Myosin-If (MYO1F) ELISA Kit; MYO1F; MYO1F variant protein; myosin-ID; MYO1F elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Myosin-If (MYO1F) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYO1F. No significant cross-reactivity or interference between Human MYO1F and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length         | 1098                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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-If (MYO1F) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MYO1F elisa kit | <p>Description: This Human Myosin-If (MYO1F) ELISA Kit employs a two-site sandwich ELISA to quantitate MYO1F in samples. An antibody specific for MYO1F has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYO1F present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYO1F 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 MYO1F bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Myosins are molecular motors that use the energy from ATP hydrolysis to generate force on actin filaments. Myosin-If encoded by MYO1F is an unconventional myosin that may be involved in the intracellular movement of membrane-enclosed compartments. There is evidence to suggest that mutations in MYO1F can result in hearing loss.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 20380850                 |
| NCBI GeneID                      | 4542                     |
| UniProt Accession #              | O00160                   |
| NCBI Official Full Name          | Myosin IF                |
| NCBI Official Synonym Full Names | myosin IF                |
| NCBI Official Symbol             | MYO1F                    |
| NCBI Protein Information         | unconventional myosin-If |
| UniProt Protein Name             | Unconventional myosin-If |
| UniProt Gene Name                | MYO1F                    |
| UniProt Entry Name               | MYO1F_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-if-myo1f/331583>