

## Human Myosin-XIX (MYO19) ELISA Kit | MYO19 elisa kit

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CATALOG #  
**AAA331589**

REACTIVITY  
**Human**

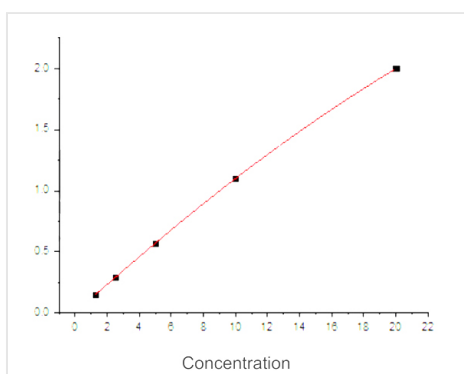
### PRODUCT SYNONYMS

Myosin-XIX (MYO19); Human Myosin-XIX (MYO19) ELISA Kit; MYO19; FLJ22865; MYOHD1; myosin head domain containing 1; MYO19 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                           |
| Specificity             | Human Myosin-XIX (MYO19) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYO19. No significant cross-reactivity or interference between Human MYO19 and analogues was observed. |
| Sequence Length         | 317                                                                                                                                                                                                             |
| Assay Type              | Sandwich                                                                                                                                                                                                        |
| Samples                 | Human serum, cell culture supernates and other biological fluids                                                                                                                                                |
| Detection Range         | 1.25 ng/ml - 20 ng/ml                                                                                                                                                                                           |
| Sensitivity             | < 0.1ng/ml                                                                                                                                                                                                      |
| Intra-assay Precision   | Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.                                                                                       |
| Inter-assay Precision   | Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.   |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MYO19 elisa kit | <p>Background: Myosin XIX (Myo19) is the founding member of a novel class of myosin that associates with mitochondria. Both endogenous Myo19 and GFP-Myo19 exhibit localization to mitochondria. Myosins are actin-based motor molecules with ATPase activity. Myo19 is involved in actin-based mitochondrial motility. Myo19 mRNA is expressed in multiple tissues, and antibodies to human Myo19 detect an approximately 109 kDa band in multiple cell lines.</p> <p>Principle of the Assay: Human Myosin-XIX (MYO19) ELISA Kit employs a two-site sandwich ELISA to quantitate MYO19 in samples. An antibody specific for MYO19 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYO19 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MYO19 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of MYO19 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 75812980                            |
| NCBI GeneID                      | 80179                               |
| NCBI Accession #                 | NP_001028752                        |
| NCBI GenBank Nucleotide #        | NP_001028752.1                      |
| UniProt Accession #              | Q96H55                              |
| NCBI Official Full Name          | unconventional myosin-XIX isoform 3 |
| NCBI Official Synonym Full Names | myosin XIX                          |
| NCBI Official Symbol             | MYO19                               |
| NCBI Official Synonym Symbols    | MYOHD1                              |
| NCBI Protein Information         | unconventional myosin-XIX           |
| UniProt Protein Name             | Unconventional myosin-XIX           |
| UniProt Gene Name                | MYO19                               |
| UniProt Synonym Gene Names       | MYOHD1                              |
| UniProt Entry Name               | MYO19_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-xix-myo19/331589>