

## Human Myelin Transcription Factor 1-Like Protein (MYT1L) ELISA Kit | MYT1L elisa kit

Human Myelin Transcription Factor 1-Like Protein (MYT1L) ELISA Kit

CATALOG #  
**AAA331563**

REACTIVITY  
**Human**

### PRODUCT SYNONYMS

Myelin Transcription Factor 1-Like Protein (MYT1L); Human Myelin Transcription Factor 1-Like Protein (MYT1L) ELISA Kit; MYT1L; NZF1; neural zinc finger transcription factor 1; MYT1L elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Myelin transcription factor 1-like protein (MYT1L) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYT1L. No significant cross-reactivity or interference between Human MYT1L and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length         | 1184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 Myelin transcription factor 1-like protein (MYT1L) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MYT1L elisa kit | <p>Description: This Human Myelin transcription factor 1-like protein (MYT1L) ELISA Kit employs a two-site sandwich ELISA to quantitate MYT1L in samples. An antibody specific for MYT1L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYT1L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYT1L 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 MYT1L bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: MYT1L encodes a member of the zinc finger superfamily of transcription factors. T Myelin transcription factor 1-like protein belongs to a novel class of cystein-cystein-histidine-cystein zinc finger proteins that function in the developing mammalian central nervous system. Forced expression of this gene in combination with the basic helix-loop-helix transcription factor NeuroD1 and the transcription factors POU class 3 homeobox 2 and achaete-scute family basic helix-loop-helix transcription factor 1 can convert fetal and postnatal human fibroblasts into induced neuronal cells, which are able to generate action potentials. Mutations in MYT1L have been associated with autosomal mental retardation-39 and autism spectrum disorder. Alternative splicing results in multiple variants.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 60498973                                             |
| NCBI GeneID                      | 23040                                                |
| NCBI Accession #                 | NP_055840                                            |
| NCBI GenBank Nucleotide #        | NP_055840.2                                          |
| UniProt Accession #              | Q9UL68                                               |
| NCBI Official Full Name          | myelin transcription factor 1-like protein isoform 2 |
| NCBI Official Synonym Full Names | myelin transcription factor 1 like                   |
| NCBI Official Symbol             | MYT1L                                                |
| NCBI Official Synonym Symbols    | NZF1; MRD39; myT1-L; ZC2H2C2; ZC2HC4B                |
| NCBI Protein Information         | myelin transcription factor 1-like protein           |
| UniProt Protein Name             | Myelin transcription factor 1-like protein           |
| UniProt Gene Name                | MYT1L                                                |
| UniProt Synonym Gene Names       | KIAA1106; MyT1-L; MyT1L                              |
| UniProt Entry Name               | MYT1L_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/myelin-transcription-factor-1-like-protein-myt1l/331563>