

## Human Mesoderm Development Candidate 1 (MESDC1) ELISA Kit | MESDC1 elisa kit

Human Mesoderm Development Candidate 1 (MESDC1) ELISA Kit

CATALOG #  
**AAA331799**

REACTIVITY  
**Human**

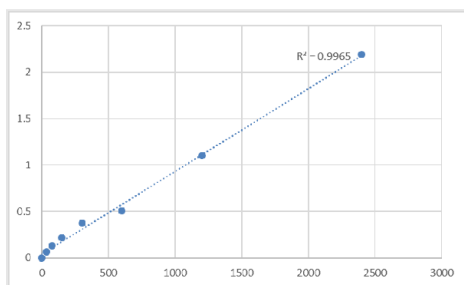
### PRODUCT SYNONYMS

Mesoderm Development Candidate 1 (MESDC1); Human Mesoderm Development Candidate 1 (MESDC1) ELISA Kit; MESDC1; MGC99595; MESDC1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Mesoderm development candidate 1 (MESDC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MESDC1. No significant cross-reactivity or interference between Human MESDC1 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence Length         | 362                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 Mesoderm development candidate 1 (MESDC1) Standard Curve.

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MESDC1 elisa kit | <p>Description: This Human Mesoderm development candidate 1 (MESDC1) ELISA Kit employs a two-site sandwich ELISA to quantitate MESDC1 in samples. An antibody specific for MESDC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MESDC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MESDC1 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 MESDC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: MESDC1 encodes Mesoderm development candidate 1 that is regulated by micro RNA MiR-574-3, and is thought to have an oncogenic function in human bladder cancer. A similar gene in mouse is located in a chromosomal region critical for differentiation of mesoderm, which affects embryo patterning and the formation of heart, muscle, blood, skeleton and the urogenital system. The mouse gene is expressed in early development, and in the adult.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|---------------------------------------|
| NCBI GI #                        | 13446229                              |
| NCBI GeneID                      | 59274                                 |
| NCBI Accession #                 | NP_072088                             |
| NCBI GenBank Nucleotide #        | NP_072088.1                           |
| UniProt Accession #              | Q9H1K6                                |
| NCBI Official Full Name          | talin rod domain-containing protein 1 |
| NCBI Official Synonym Full Names | talin rod domain containing 1         |
| NCBI Official Symbol             | TLNRD1                                |
| NCBI Official Synonym Symbols    | MESDC1                                |
| NCBI Protein Information         | talin rod domain-containing protein 1 |
| UniProt Protein Name             | Talin rod domain-containing protein 1 |
| UniProt Gene Name                | TLNRD1                                |

**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://www.aaabiotech.com/human-elisa-kits/mesoderm-development-candidate-1-mesdc1/331799>