

## Human mesothelin ELISA Kit | MSLN elisa kit

Human Mesothelin, MSLN ELISA Kit

CATALOG #  
**AAA80057**

REACTIVITY  
**Human**

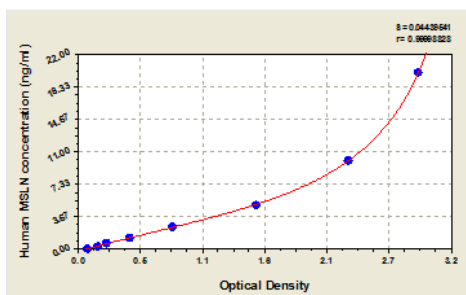
### PRODUCT SYNONYMS

mesothelin; Human Mesothelin; MSLN ELISA Kit; Human Mesothelin (MSLN) ELISA KIT; CAK1; MPF; SMR; megakaryocyte potentiating factor; MSLN elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Human                                                                                                                                                                                                                                                                                                                     |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Human MSLN. No significant cross-reactivity or interference between Human MSLN and analogues was observed.                                                                                                                                     |
| Sequence Length              | 622                                                                                                                                                                                                                                                                                                                       |
| Detection Range              | 0.156 ng/ml-10 ng/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity                  | 0.04 ng/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Cell Adhesion                                                                                                                                                                                                                                                                                                             |
| Protein Biological Process 3 | Cell adhesion                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MSLN elisa kit | <b>Principle of the Assay:</b> The microtiter plate provided in this kit has been pre-coated with an antibody specific to MSLN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for MSLN and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain MSLN, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of MSLN in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 293651530                                                                                                                                      |
| NCBI GeneID                      | 10232                                                                                                                                          |
| NCBI Accession #                 | NP_001170826.1                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001177355.1                                                                                                                                 |
| UniProt Accession #              | Q13421; Q14859; Q4VQD5; Q96GR6; Q96KJ5; Q9BR17; Q9BTR2; Q9UCB2; Q9UK57; D3DU65                                                                 |
| Molecular Weight                 | 68,986 Da                                                                                                                                      |
| NCBI Official Full Name          | mesothelin isoform 1 preproprotein                                                                                                             |
| NCBI Official Synonym Full Names | mesothelin                                                                                                                                     |
| NCBI Official Symbol             | MSLN                                                                                                                                           |
| NCBI Official Synonym Symbols    | MPF; SMRP                                                                                                                                      |
| NCBI Protein Information         | mesothelin; CAK1 antigen; megakaryocyte potentiating factor; soluble MPF mesothelin related protein; pre-pro-megakaryocyte-potentiating factor |
| UniProt Protein Name             | Mesothelin                                                                                                                                     |
| UniProt Gene Name                | MSLN                                                                                                                                           |
| UniProt Synonym Gene Names       | MPF; MPF                                                                                                                                       |
| UniProt Entry Name               | MSLN_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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