

## Human chitinase 3-like 2 ELISA Kit | CHI3L2 elisa kit

Human Chitinase-3-like protein 2, CHI3L2 ELISA Kit

CATALOG #  
**AAA112483**

REACTIVITY  
**Human**

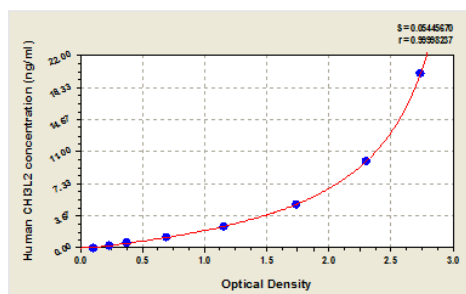
### PRODUCT SYNONYMS

chitinase 3-like 2; Human Chitinase-3-like protein 2; CHI3L2 ELISA Kit; Human Chitinase-3-like protein 2 (CHI3L2) ELISA kit; YKL-39; YKL39; chondrocyte protein 39; CHI3L2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human CHI3L2. No significant cross-reactivity or interference between human CHI3L2 and analogues was observed. |
| Sequence Length         | 380                                                                                                                                                                                       |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                     |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                         |
| Detection Range         | 0.78 ng/ml-50 ng/ml                                                                                                                                                                       |
| Sensitivity             | < 0.195 ng/ml                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                          |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                   |
| 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 CHI3L2 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CHI3L2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CHI3L2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CHI3L2 is added to the wells. After washing, avidin 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 CHI3L2 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 68533253                                               |
| NCBI GeneID                      | 1117                                                   |
| NCBI Accession #                 | NP_001020368.1                                         |
| NCBI GenBank Nucleotide #        | NM_001025197.1                                         |
| UniProt Accession #              | Q15782; Q15749; Q15783; Q5VUV7; Q96F97; A6NNY3; B4DPR7 |
| Molecular Weight                 | 43,501 Da                                              |
| NCBI Official Full Name          | chitinase-3-like protein 2 isoform b                   |
| NCBI Official Synonym Full Names | chitinase 3-like 2                                     |
| NCBI Official Symbol             | CHI3L2                                                 |
| NCBI Official Synonym Symbols    | CHIL2; YKL39; YKL-39                                   |
| NCBI Protein Information         | chitinase-3-like protein 2; chondrocyte protein 39     |
| UniProt Protein Name             | Chitinase-3-like protein 2                             |
| UniProt Gene Name                | CHI3L2                                                 |
| UniProt Entry Name               | CH3L2_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.