

## Sheep Interleukin 12, IL-12 ELISA Kit | IL-12 elisa kit

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CATALOG #  
**AAA79691**

REACTIVITY  
**Sheep**

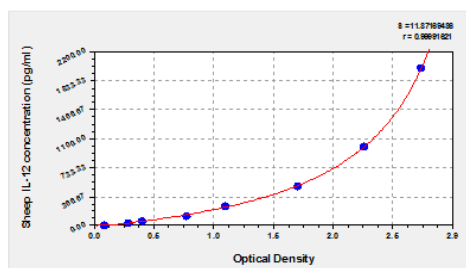
### PRODUCT SYNONYMS

Interleukin 12; IL-12; Sheep Interleukin 12; IL-12 ELISA Kit; IL-12 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of sheep IL-12. No significant cross-reactivity or interference between sheep IL-12 and analogues was observed.                                                                                                                                                                     |
| Sequence Length         | 862                                                                                                                                                                                                                                                                                                                                                         |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                                                           |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                    |
| Detection Range         | 31.25 pg/ml-2000 pg/ml.                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | The minimum detectable dose of sheep IL-12 is typically less than 7.81 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations. |
| 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 IL-12 elisa kit | <b>Principle of the assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IL-12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-12 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 IL-12 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1685028                                                                                                                            |
| NCBI GeneID                      | 3595                                                                                                                               |
| UniProt Accession #              | Q99665; Q2M3V3; B1AN98; B7ZKL9; F5H7L6                                                                                             |
| Molecular Weight                 | 87,484 Da                                                                                                                          |
| NCBI Official Full Name          | IL-12 receptor beta2                                                                                                               |
| NCBI Official Synonym Full Names | interleukin 12 receptor, beta 2                                                                                                    |
| NCBI Official Symbol             | IL12RB2                                                                                                                            |
| NCBI Protein Information         | interleukin-12 receptor subunit beta-2; IL-12R subunit beta-2; IL-12 receptor subunit beta-2; interleukin-12 receptor beta-2 chain |
| UniProt Protein Name             | Interleukin-12 receptor subunit beta-2                                                                                             |
| UniProt Gene Name                | IL12RB2                                                                                                                            |
| UniProt Synonym Gene Names       | IL-12 receptor subunit beta-2; IL-12R subunit beta-2; IL-12R-beta-2; IL-12RB2                                                      |
| UniProt Entry Name               | I12R2_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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