

## Canine Interleukin 12 ELISA Kit | IL-12 elisa kit

Canine Interleukin 12 ELISA Kit

CATALOG #  
**AAA16999**

REACTIVITY  
**Canine**

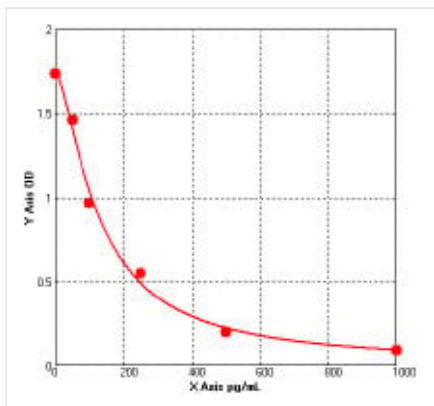
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IL-12. No significant cross-reactivity or interference between IL-12 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-12 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL-12 elisa kit | <p>Principle of the Assay: IL-12 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-12 antibody and an IL-12-HRP conjugate. The assay sample and buffer are incubated together with IL-12-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-12 concentration since IL-12 from samples and IL-12-HRP conjugate compete for the anti-IL-12 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-12 from the sample, fewer sites are left to bind IL-12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-12 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This IL-12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-12. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for IL-12 elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 24497438                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI GeneID                      | 3593                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI Accession #                 | NP_002178.2                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_002187.2                                                                                                                                                                                                                                                                                                                                                                              |
| Molecular Weight                 | 37,169 Da                                                                                                                                                                                                                                                                                                                                                                                |
| NCBI Official Full Name          | interleukin-12 subunit beta                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | interleukin 12B                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Symbol             | IL12B                                                                                                                                                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B                                                                                                                                                                                                                                                                                                                                           |
| NCBI Protein Information         | interleukin-12 subunit beta; CLMF p40; IL-12 subunit p40; IL12, subunit p40; interleukin 12, p40; interleukin-12 beta chain; NK cell stimulatory factor chain 2; cytotoxic lymphocyte maturation factor 40 kDa subunit; natural killer cell stimulatory factor, 40 kD subunit; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) |
| UniProt Protein Name             | Interleukin-12 subunit beta                                                                                                                                                                                                                                                                                                                                                              |
| UniProt Gene Name                | <b>IL12B</b>                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | NKSF2; IL-12B; CLMF p40; NKSF2                                                                                                                                                                                                                                                                                                                                                           |
| UniProt Entry Name               | IL12B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/il-12-canine-elisa-kits/interleukin-12/16999>