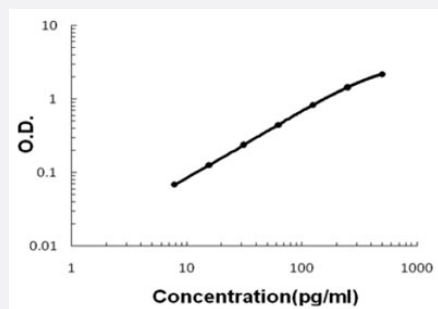


# IL12A (Human) ELISA Kit

Catalog # KA5696      Size 1 Kit

## Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

|                                |                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | IL12A (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detection of human IL-12 (p70) in cell culture supernates and serum.                                     |
| <b>Suitable Sample</b>         | Cell culture supernates and serum                                                                                                                                                                 |
| <b>Sample Volume</b>           | 100 $\mu$ L                                                                                                                                                                                       |
| <b>Label</b>                   | HRP-conjugated                                                                                                                                                                                    |
| <b>Detection Method</b>        | Colorimetric                                                                                                                                                                                      |
| <b>Assay Type</b>              | Quantitative                                                                                                                                                                                      |
| <b>Calibration Range</b>       | 7.8 to 500 pg/mL                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                             |
| <b>Regulatory Status</b>       | For research use only (RUO)                                                                                                                                                                       |
| <b>Quality Control Testing</b> | Standard curve<br>The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed. |
| <b>Storage Instruction</b>     | Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.                                                                                                             |

## Applications

- Quantification

## Gene Info — IL12A

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3592</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Name          | IL12A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Alias         | CLMF, IL-12A, NFSK, NKSF1, P35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Description   | interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Omim ID            | <a href="#">161560</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Summary       | This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. [provided by RefSeq] |
| Other Designations | IL-12, subunit p35 NF cell stimulatory factor chain 1 cytotoxic lymphocyte maturation factor 1, p35 interleukin 12, p35 interleukin 12A interleukin-12 alpha chain natural killer cell stimulatory factor 1, 35 kD subunit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Pathway

- [Allograft rejection](#)
- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

## Disease

- [Abortion](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Adenocarcinoma](#)
- [Alveolitis](#)
- [Alzheimer Disease](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Colorectal Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Coronary Artery Disease](#)
- [Dermatitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Ductus Arteriosus](#)
- [Edema](#)
- [Enterocolitis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Herpesviridae Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Hypotension](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)

- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mental Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Nasopharyngeal Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Papillomavirus Infections](#)
- [Pemphigus](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Pneumonia](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Recurrence](#)
- [Respiratory Distress Syndrome](#)

- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Sarcoma](#)
- [Schizophrenia](#)
- [Scleroderma](#)
- [Skin Neoplasms](#)
- [Skin Ulcer](#)
- [Stomach Neoplasms](#)
- [Stomatitis](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)