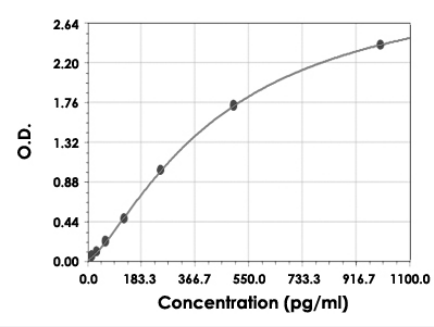
IL15 (Human) ELISA Kit

Catalog # KA0376 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

Product Description	IL15 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human IL15.
Suitable Sample	Cell Culture Supernatant, Cell Lysates, Tissue Homogenates, Plasma (EDTA, heparin), Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	15.6 to 1000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

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- Quantification

Gene Info — IL15

Entrez GeneID	3600
Gene Name	IL15
Gene Alias	IL-15, MGC9721
Gene Description	interleukin 15
Omim ID	600554
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation an d proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be control led by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinas es, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and S TAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expressio n of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Two alternatively spliced transcript variants of this gene enco ding the same protein have been reported. [provided by RefSeq
Other Designations	OTTHUMP00000164617

Publication Reference

- Interleukin-15 production during liver allograft rejection in humans.

  Conti F, Frappier J, Dharancy S, Chereau C, Houssin D, Weill B, Calmus Y.

  Transplantation 2003 Jul; 76(1):210.

  Application: ELISA, Human, Supernatants collected from PBMCs or monocytes culture medium, Plasma

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- Chromosomal assignment and genomic structure of Il15.

  Anderson DM, Johnson L, Glaccum MB, Copeland NG, Gilbert DJ, Jenkins NA, Valentine V, Kirstein MN, Shapiro DN, Morris SW, et al..

  Genomics 1995 Feb; 25(3):701.

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Adenocarcinoma
- Arthritis
- Asthma
- Bronchial Hyperreactivity
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Connective Tissue Diseases
- Coronary Disease
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Fetal Diseases
- Fractures
- Genetic Predisposition to Disease

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- Hematologic Diseases
- Hodgkin Disease
- Hypersensitivity
- Hypertrophy
- Infant
- Infection
- Inflammation
- Kidney Failure
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Metabolic Syndrome X
- Multiple Myeloma
- Musculoskeletal Diseases
- Neoplasm
- Obesity
- Occupational Diseases
- Osteoporosis
- Pregnancy Complications
- Premature Birth
- Psoriasis
- Pulmonary Disease
- Recurrence
- Respiratory Syncytial Virus Infections
- Skin Diseases
- Urinary Bladder Neoplasms

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- Waldenstrom Macroglobulinemia
- Werner syndrome

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