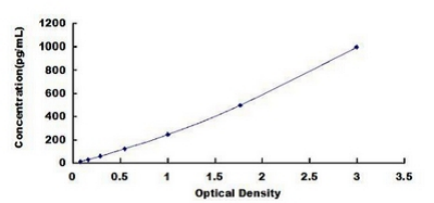
IL15 (Human) ELISA Kit

Catalog # KA5322 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-linked immunosorbent assay for quantitative measurement of human IL15 in plasma, serum and biological fluids.
Suitable Sample	Plasma, Serum and Biological fluid
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	15.6 - 1,000 pg/mL
Limit of Detection	6.8 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve 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.

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Storage Instruction	Store TMB Substrate, Wash Buffer (30X concentrate) and the Stop Solution at 4°C upon receipt whil e the others should be at -20°C

Applications

- 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

Pathway

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

Disease

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- 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
- Hematologic Diseases
- Hodgkin Disease
- Hypersensitivity
- Hypertrophy
- Infant
- Infection
- Inflammation
- Kidney Failure
- Lung Neoplasms
- Lymphoma

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- 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
- Waldenstrom Macroglobulinemia
- Werner syndrome

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