

Human IL-15 ELISA Kit

Catalog No: #EK5176

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Description

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|---------------------|---|
| Product Name | Human IL-15 ELISA Kit |
| Specificity | Human |
| Crossing Reactivity | There is no detectable cross-reactivity with other relevant proteins. |
| Immunogen Type | E.coli,N49-S162 |
| Other Names | Interleukin-15; IL-15; IL15; |
| Accession No. | P40933 |
| Uniprot | P40933 |
| GeneID | 3600; |
| Cell Localization | Isoform IL15-S48AA: Secreted. |

Application Details

sensitivity:3pg mlDetect Range:15.6pg ml-1000pg ml
sample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).
capture_antibody:monoclonal antibody from mouse
detection_antibody:polyclonal antibody from goat
gene_name:IL15protein_name:Interleukin-15gene_full_name:Interleukin-15tissue_specificity: Most abundant in placenta and skeletal muscle.It is also detected in the heart lung liver and kidney. IL15-S21AA is preferentially expressed in tissues such as testis andthymus.sequence_similarities:Belongs to the IL-15 IL-21 family. tmb_incubation:15-20minresearch_category:immunology|innate immunity|cytokines|interleukins|immune system diseases|antiviral signaling|cancer|tumor immunology|nk cells|metabolism|types of disease|obesity

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human IL-15

Background

protein_function: Cytokine that stimulates the proliferation of T-lymphocytes. Stimulation by IL-15 requires interaction of IL-15with components of IL-2R, including IL-2R beta and probably IL-2Rgamma but not IL-2R alpha.Interleukin(IL)-15 is a cytokine with the ability to stimulate the proliferation activity of Th1 and,or Th2 lymphocytes. IL-15 is a novel cytokine whose effects on T-cell activation and proliferation are similar to those of interleukin-2(IL-2), presumably because IL-15 utilizes the beta and gamma chains of the IL-2 receptor. IL-15 can play a role in the initiation and outcome of acute and chronic rejection. Anti-IL-15 therapy in combination with classic immunosuppression therapy might thus be beneficial in the prevention of acute, and especially chronic, allograft rejection. The human IL15 gene is mapped to human chromosome 4q31 by fluorescence in situ hybridization.¹ The standard product used in this kit is recombinant human IL-15, consisting of 114 amino acids with the molecular mass of 12.9KDa.

Note: This product is for in vitro research use only