

Human IL-15 ELISA Kit

Catalog No :	KE1133
Reactivity :	Human
Applications :	ELISA
Gene Name :	IL15
Protein Name :	Interleukin-15
Human Gene Id :	3600
Human Swiss Prot No :	P40933
Mouse Swiss Prot No :	P48346
Specificity :	Sample Type for Cell Culture Supernates, Cell lysates, Tissue Lysates, Serum, EDTA Plasma, Heparin Plasma
Storage Stability :	2-8°C/6 months
Detection Method :	Colorimetric
Background :	<p>function:Cytokine that stimulates the proliferation of T-lymphocytes. Stimulation by IL-15 requires interaction of IL-15 with components of IL-2R, including IL-2R beta and probably IL-2R gamma but not IL-2R alpha.,online information:Interleukin-15 entry,sequence caution:Man-made cDNA construct with a sequence coding for signal peptide increasing the secretion of the protein (substitution with a signal peptide derived from the mouse IgV kappa chain).,similarity:Belongs to the IL-15/IL-21 family.,subcellular location:IL15-S21AA is not secreted, but rather is stored intracellularly, appearing in the nucleus and cytoplasmic components.,tissue 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 and thymus.,</p>
Function :	cell activation, NK T cell proliferation, immune system development, leukocyte differentiation, positive regulation of immune system process, regulation of leukocyte activation, positive regulation of leukocyte activation, regulation of immune effector process, regulation of response to biotic stimulus, defense

response, inflammatory response, immune response, cell-cell signaling, aging, cell proliferation, positive regulation of cell proliferation, negative regulation of cell proliferation, response to wounding, hemopoiesis, lymphocyte differentiation, T cell differentiation, mononuclear cell proliferation, regulation of mononuclear cell proliferation, positive regulation of mononuclear cell proliferation, extrathymic T cell differentiation, T cell proliferation, positive regulation of T cell proliferation, T cell activation, regulation of cell proliferation, regulation of T cell prolifer

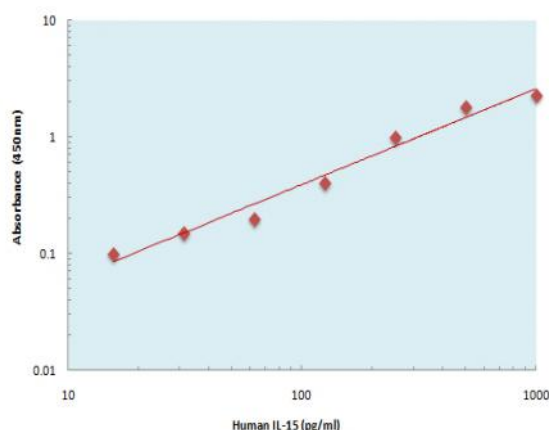
Subcellular Location :

[Isoform IL15-S48AA]: Secreted.; [Isoform IL15-S21AA]: Cytoplasm. Nucleus. IL15-S21AA is not secreted, but rather is stored intracellularly, appearing in the nucleus and cytoplasmic components.

Expression :

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 and thymus.

Products Images



The Human IL-15 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-15 proteins within the range of 16-1000 pg/ml.