

ARG82962 Canine IL6 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82962 Canine IL6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Canine IL6 in serum, plasma and cell culture supernatants.
Tested Reactivity	Dog
Tested Application	ELISA
Target Name	IL6
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.3 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	B-cell stimulatory factor 2; CDF; HSF; BSF-2; Interferon beta-2; IL-6; IFNB2; CTL differentiation factor; Interleukin-6; HGF; Hybridoma growth factor; BSF2; IFN-beta-2

Application Instructions

Assay Time	~ 3.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL6
Gene Full Name	interleukin 6
Background	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic

juvenile rheumatoid arthritis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Function

Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. [UniProt]

Highlight

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[IL6 antibodies](#); [IL6 ELISA Kits](#); [IL6 recombinant proteins](#);

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[Inflammatory Cytokines](#)

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

PTM

N- and O-glycosylated. [UniProt]

Cellular Localization

Secreted. [UniProt]