

ARG80109 Human IL6 (High sensitive) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80109-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80109-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80109-003	Standard diluent buffer	20 ml	4°C
ARG80109-004	Antibody conjugate concentrate	400 µl	4°C
ARG80109-005	Antibody diluent buffer	16 ml	4°C
ARG80109-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80109-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80109-008	20X Wash buffer	50 ml	4°C
ARG80109-009	TMB substrate	12ml	4°C (Protect from light)
ARG80109-010	STOP solution	12ml	4°C
ARG80109-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80109 Human IL6 (High sensitive) ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Human IL6 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human CNTF, G-CSF, sgp130, IL-6 sR, OSM, IL-11, IL-12, LIF, LIF R α mouse IL-6, IL-11, IL-12 α rat CNTF
Target Name	IL6
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.39 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.78 - 50 pg/ml

Sample Volume	100 µl
Precision	CV: less than 9%
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

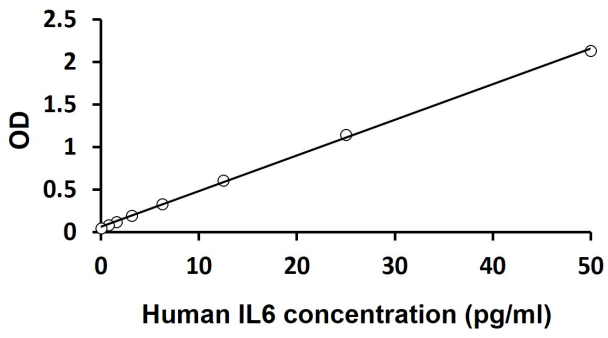
Assay Time	4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°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. [provided by RefSeq, Jun 2011]
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	<p>Related products: IL6 antibodies; IL6 ELISA Kits; IL6 recombinant proteins;</p> <p>Related news: HMGB1 in inflammation Inflammatory Cytokines</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>



ARG80109 Human IL6 (High sensitive) ELISA Kit standard curve image

ARG80109 Human IL6 (High sensitive) ELISA Kit results of a typical standard run with optical density reading at 450 nm.