

ARG82952 Human IL36 alpha ELISA kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82952 Human IL36 alpha ELISA kit is an Enzyme Immunoassay kit for the quantification of Human IL36 alpha in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	IL36 alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31.3 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	FIL1; Interleukin-36 alpha; IL-1F6; IL-1 epsilon; Interleukin-1 family member 6; FIL1E; FIL1(EPSILON); FIL1 epsilon; IL1(EPSILON); IL1F6; Interleukin-1 epsilon

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	IL36A
Gene Full Name	interleukin 36, alpha
Function	Cytokine that binds to and signals through the IL1RL2/IL-36R receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells linked to a pro-inflammatory response. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor IL1RAP. Seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and indirectly on T cells to drive tissue infiltration, cell maturation and cell proliferation. In cultured keratinocytes induces

the expression of macrophage, T cell, and neutrophil chemokines, such as CCL3, CCL4, CCL5, CCL2, CCL17, CCL22, CL20, CCL5, CCL2, CCL17, CCL22, CXCL8, CCL20 and CXCL1, and the production of proinflammatory cytokines such as TNF-alpha, IL-8 and IL-6. In cultured monocytes upregulates expression of IL-1A, IL-1B and IL-6. In myeloid dendritic cells involved in cell maturation by upregulating surface expression of CD83, CD86 and HLA-DR. In monocyte-derived dendritic cells facilitates dendritic cell maturation and drives T cell proliferation. May play a role in proinflammatory effects in the lung. [UniProt]

Highlight

Related products:

[IL36 alpha antibodies](#); [IL36 alpha ELISA Kits](#);

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

PTM

N-terminal truncation leads to a dramatic enhancement of its activity (>1000-fold). [UniProt]

Cellular Localization

Secreted. [UniProt]