

ARG80929

Human Inflammatory Cytokine Multiplex ELISA Kit (IL1 alpha, IL1 beta, IL6, IL8, GM-CSF, IFN-gamma, MCAF and TNF-alpha)

Package: 96 wells

Store at: 4°C

Summary

Product Description	The Newer Version Available: ARG83509 ARG80929 Human Inflammatory Cytokine Multiplex ELISA Kit (IL1 alpha, IL1 beta, IL6, IL8, GM-CSF, IFN-gamma, MCAF and TNF-alpha) is an Enzyme Immunoassay kit for the semi-quantification of IL1 alpha, IL1 beta, IL6, IL8, GM-CSF, IFN-gamma, MCAF and TNF-alpha in serum, plasma, cell culture supernatant and other biological samples.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Inflammatory Cytokine Multiplex
Conjugation	HRP
Conjugation Note	At a wavelength of 450 nm
Detection Range	IL1 alpha: 6.72 - 430 pg/ml IL1 beta: 10.94 - 700 pg/ml IL6: 5.31 - 340 pg/ml IL8: 13.28 - 850 pg/ml GM - CSF: 7.42 - 475 pg/ml IFN - gamma: 4.3 - 275 pg/ml MCAF: 15.63 - 1000 pg/ml TNF - alpha: 8.2 - 525 pg/ml
Sample Type	Serum, plasma, cell culture supernatant and other biological samples.
Sample Volume	100 µl

Application Instructions

Assay Time	3.5 hour
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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

Background	Inflammation is body's protective response to foreign subjects, pathogens, tissue damage, autoimmune and other harmful stimuli. It is initiated by production of a cascade of chemicals and cytokines in affected area. These pro-inflammatory mediators result in vasodilation, increased vascular
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permeability, influx of blood, plasma leakage, neutrophil and macrophage infiltration and activation. Inflammatory reaction plays an important role in limiting foreign substance and engulfing pathogens and tissue debris.

Acute inflammation is the initial phase to eliminate invaded foreign substances, pathogens and other harmful stimuli. If the stimuli persist, chronic inflammation will evolve. Progressive tissue destruction and shifting cell types occurs simultaneously during chronic inflammation. The cytokine profiles that regulate the procedure are different depending on the causes, location and progress of the inflammation.

Highlight

Related products:

[Inflammation antibodies](#); [Inflammation Duos / Panels](#);

Related news:

[HMGB1 in inflammation](#)

[Inflammatory Cytokines](#)

[Exploring Antiviral Immune Response](#)

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

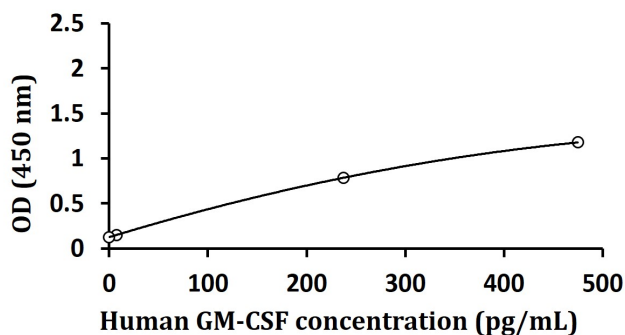
Research Area

Immune System kit; Metabolism kit

Images

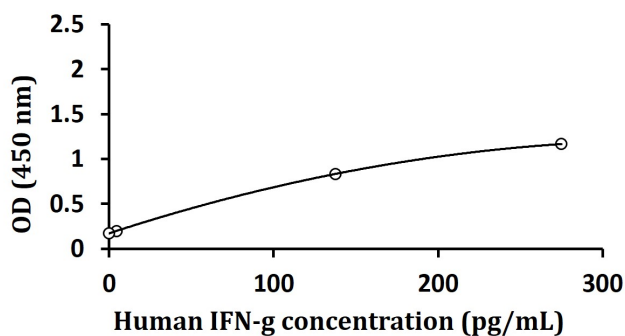
	1	2	3	4	5	6	7	8	9	10	11	12
A	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α	IL-1 α
B	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β	IL-1 β
C	IL-6	IL-6	IL-6	IL-6	IL-6	IL-6	IL-6	IL-6	IL-6	IL-6	IL-6	IL-6
D	IL-8	IL-8	IL-8	IL-8	IL-8	IL-8	IL-8	IL-8	IL-8	IL-8	IL-8	IL-8
E	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF	GM-CSF
F	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ	INF- γ
G	MCAF	MCAF	MCAF	MCAF	MCAF	MCAF	MCAF	MCAF	MCAF	MCAF	MCAF	MCAF
H	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α	TNF- α

Antibodies Coating Pattern In Microtiter Plate of ARG80929 Human Inflammatory Cytokine Multiplex ELISA Kit (IL1 alpha, IL1 beta, IL6, IL8, GM-CSF, IFN-gamma, MCAF and TNF-alpha)



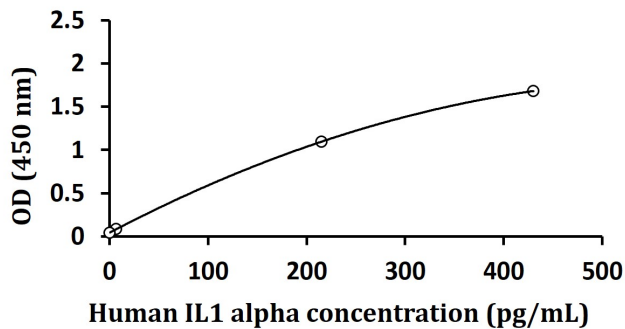
ARG80929 Human Inflammatory Cytokine Multiplex ELISA Kit (IL1 alpha, IL1 beta, IL6, IL8, GM-CSF, IFN-gamma, MCAF and TNF-alpha) standard curve image

ARG80929 Human Inflammatory Cytokine Multiplex ELISA Kit (IL1 alpha, IL1 beta, IL6, IL8, GM-CSF, IFN-gamma, MCAF and TNF-alpha) results of a typical standard run with optical density reading at 450 nm.



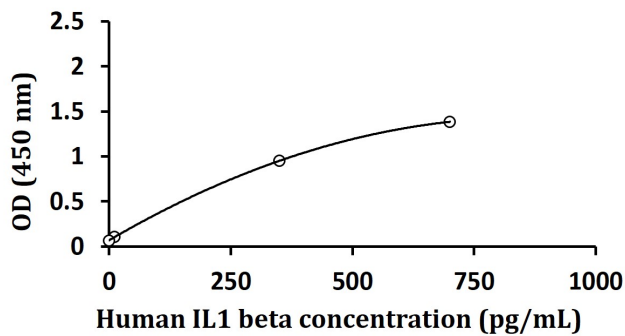
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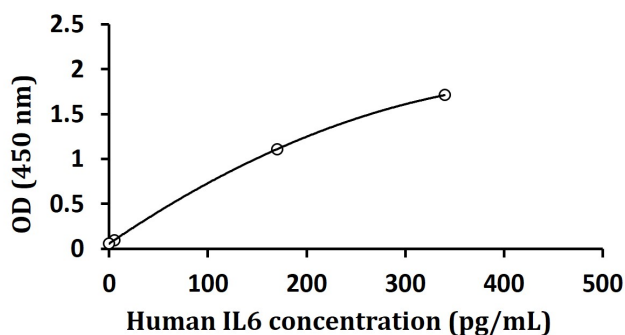
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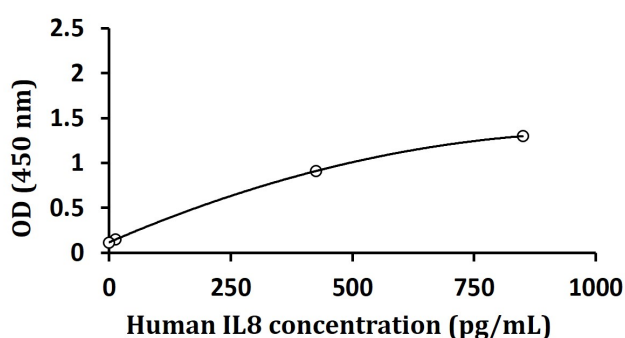
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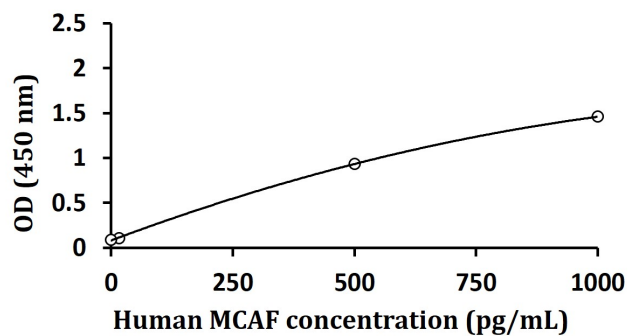
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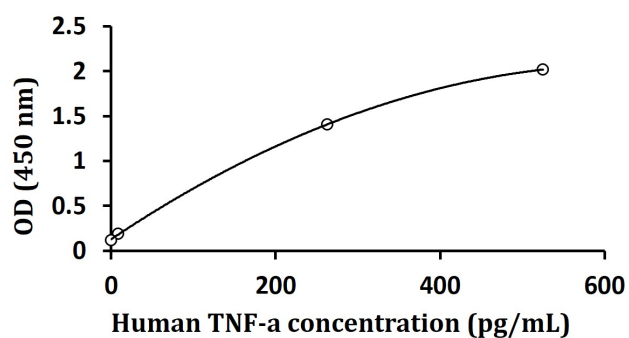
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