

ARG88008

arigoQIK™ Human GM-CSF ELISA Development Kit

Package: 1 kit(5 plates), 1 kit
(15 plates)
Store at: 4°C, -20°C

Summary

Product Description ARG88008 arigoQIK™ Human GM-CSF ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution. This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human GM-CSF in serum, plasma and cell culture supernatants.

For other reagents required for [arigoQIK™ ELISA Development Kit](#), please refer [ARG83524 Integral Reagent Kit \(ELISA Development Kit\)](#)

[More about arigoQIK™:](#)

- Optimized capture and detection antibody pairs
- Reduced incubation time and wash cycles
- 2-hour quicker than conventional ELISA process
- 5- and 15-plate packages available

Tested Reactivity	Hu
Tested Application	ELISA
Target Name	GM-CSF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.91 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	7.81 - 500pg/ml
Sample Volume	50 µl
Alternate Names	CSF2; Colony Stimulating Factor; GMCSF; Sargramostim; GM-CSF; Colony Stimulating Factor 2 (Granulocyte-Macrophage); Granulocyte-Macrophage Colony-Stimulating Factor; Molgramostim; Molgramostin; CSF; Granulocyte-Macrophage Colony Stimulating Factor; Granulocyte Macrophage Colony Stimulating Factor; Colony-Stimulating Factor

Properties

Storage instruction	Store components at 4°C or -20°C. 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.

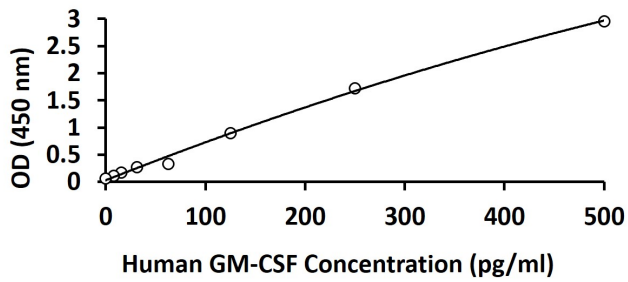
Bioinformation

Gene Symbol	CSF2
Gene Full Name	Colony Stimulating Factor 2
Background	The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myelogenous

leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. This gene plays a role in promoting tissue inflammation. Elevated levels of cytokines, including the one produced by this gene, have been detected in SARS-CoV-2 infected patients that develop acute respiratory distress syndrome. Mice deficient in this gene or its receptor develop pulmonary alveolar proteinosis. [provided by RefSeq, Aug 2020]

Function	Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes. [Uniprot]
Highlight	Related news: arigoQIK, DIY your sandwich ELISA kits;
Cellular Localization	Secreted. [Uniprot]

Images



ARG88008 arigoQIK Human GM-CSF ELISA Development Kit standard curve image

ARG88008 arigoQIK Human GM-CSF ELISA Development Kit results of a typical standard run with optical density reading at 450 nm.
