

## 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

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### 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

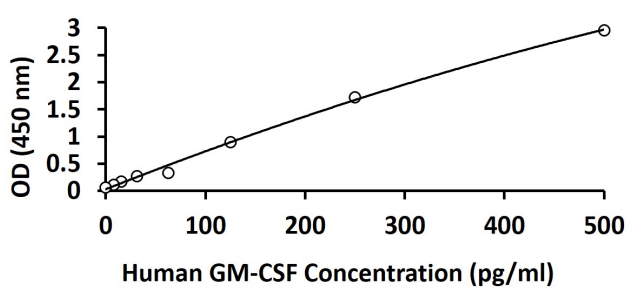
### Background

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: <a href="#">arigoQIK, DIY your sandwich ELISA kits;</a>
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.