

ARG83727

arigoQIK® Mouse GM-CSF ELISA Development Kit

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

Summary

Product Description

ARG83727 arigoQIK® Mouse 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 Mouse 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

Ms

Tested Application

ELISA

Target Name

GM-CSF

Conjugation

HRP

Conjugation Note

Substrate: TMB and read at 450 nm.

Sensitivity

20 pg/mL

Sample Type

Serum, plasma and cell culture supernatants.

Standard Range

39.06-2500 pg/mL

Sample Volume

50 µL

Alternate Names

CSF2; Colony Stimulating Factor 2; 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]