

ARG83520 arigoQIK™ Human GM-CSF ELISA Kit

Package: 96 wells
Store at: 4°C, -20°C

Component

Cat. No.	Component Name	Package	Temp
ARG83520-01	Antibody Coated Microplate	8 X 12 strips	4°C
ARG83520-02	Standard	2 vials	4°C
ARG83520-03	100X Antibody Conjugate Concentrate	60 µL	≤ -20°C
ARG83520-04	1000X HRP-Streptavidin solution	15 µL	4°C
ARG83520-05	Standard/Sample Diluent Buffer	20 mL	4°C
ARG83520-06	Antibody Diluent Buffer	35 mL	4°C
ARG83520-07	10X Wash Buffer	35 mL	4°C
ARG83520-08	TMB substrate	12 mL	4°C (protect from light)
ARG83520-09	STOP solution	12 mL	4°C
ARG83520-10	Plate sealer	2 strips	

Summary

Product Description	ARG83520 arigoQIK™ Human GM-CSF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human GM-CSF in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	GM-CSF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.9 pg/mL
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	7.81 - 500 pg/mL
Sample Volume	50 µL
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
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

Application Instructions

Assay Time 2 hours

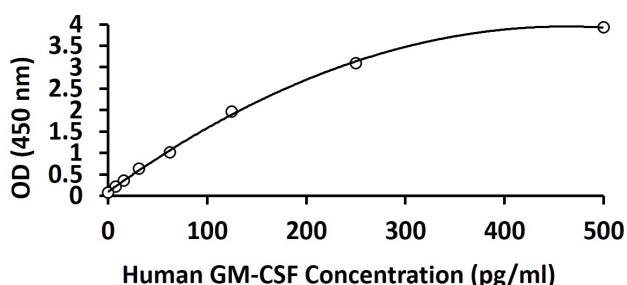
Properties

Form	96 well
Storage instruction	Store the kit at 4°C, -20°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	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]
Cellular Localization	Secreted. [Uniprot]

Images



ARG83520 arigoQIK™ Human GM-CSF ELISA Kit (One-Step) standard curve image

ARG83520 arigoQIK™ Human GM-CSF ELISA Kit (One-Step) results of a typical standard run with optical density reading at 450 nm.