

ARG83789

arigoQIK® Mouse CXCL1 / GRO alpha ELISA Development Kit

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

Summary

Product Description

ARG83789 arigoQIK® Mouse CXCL1 / GRO alpha 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 CXCL1 / GRO alpha 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

CXCL1 / GRO alpha

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 - 500 pg/ml

Sample Volume

50 µL

Alternate Names

CXCL1; C-X-C Motif Chemokine Ligand 1; SCYB1; NAP-3; MGSA-A; GROa; GRO1; MGSA; Chemokine (C-X-C Motif) Ligand 1 (Melanoma Growth Stimulating Activity, Alpha); GRO1 Oncogene (Melanoma Growth Stimulating Activity, Alpha); Melanoma Growth Stimulating Activity, Alpha; Neutrophil-Activating Protein 3; Growth-Regulated Alpha Protein; Fibroblast Secretory Protein; C-X-C Motif Chemokine 1; GRO-Alpha(1-73); FSP; GRO1 Oncogene (Melanoma Growth-Stimulating Activity); Melanoma Growth Stimulatory Activity Alpha; Melanoma Growth Stimulatory Activity; MGSA Alpha; GROa; GRO

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

CXCL1

Gene Full Name

C-X-C Motif Chemokine Ligand 1

Background

This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This

protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. [provided by RefSeq, Sep 2014]

Function

Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity. [Uniprot]

Highlight

Related news:

[arigoQIK, DIY your sandwich ELISA kits;](#)