

ARG81397 Human CXCL3 / GRO gamma ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

| | |
|---------------------|---|
| Product Description | ARG81397 Human CXCL3 / GRO gamma ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CXCL3 / GRO gamma in serum, plasma and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | The following recombinant Human proteins exhibited no cross-reactivity or interference: BMP1, BMP2, BMP4, HGF, IL-1 beta, IL-1RA, IL-2, IL-4, IL-5, sLHR, IL-8, IL-10, IL-12, IL-13, IL15, IFN gamma, MMP2, MMP9, IL2R, TGFβ1, TGFβ2, TGFβ3, TLR1, TLR2, TLR3, TNF-α, TNF RI, TNF RII and VEGF. This human CXCL3 / GRO gamma ELISA Kit showed less than 7% reactivity with recombinant human CXCL1, CXCL2 and CXCL4 proteins. |
| Target Name | CXCL3 / GRO gamma |
| Conjugation | HRP |
| Conjugation Note | Read at 450 nm. |
| Sensitivity | 5 pg/ml |
| Sample Type | Serum, plasma and cell culture supernatants |
| Standard Range | 31.25 - 2000 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: 6% Inter-Assay CV: 9% |
| Alternate Names | Macrophage inflammatory protein 2-beta; MIP2-beta; SCYB3; GRO-gamma; Growth-regulated protein gamma; 5-73; GROg; 1-73; MIP2B; C-X-C motif chemokine 3; CINC-2b; GRO3; MIP-2b |

Application Instructions

| | |
|------------|-----------|
| Assay Time | ~ 3 hours |
|------------|-----------|

Properties

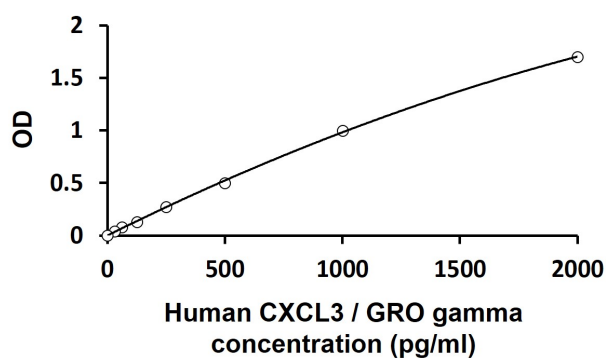
| | |
|---------------------|--|
| Form | 96 well |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|----------------|----------------------------------|
| Gene Symbol | CXCL3 |
| Gene Full Name | chemokine (C-X-C motif) ligand 3 |

| | |
|------------|--|
| 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. [provided by RefSeq, Sep 2014] |
| Function | Ligand for CXCR2 (By similarity). Has chemotactic activity for neutrophils. May play a role in inflammation and exert its effects on endothelial cells in an autocrine fashion. In vitro, the processed form GRO-gamma(5-73) shows a fivefold higher chemotactic activity for neutrophilic granulocytes. [UniProt] |
| Highlight | Related products: CXCL antibodies ; CXCL ELISA Kits ; CXCL Duos / Panels ; CXCL recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | N-terminal processed form GRO-gamma(5-73) is produced by proteolytic cleavage after secretion from peripheral blood monocytes. [UniProt] |

Images



ARG81397 Human CXCL3 / GRO gamma ELISA Kit standard curve image

ARG81397 Human CXCL3 / GRO gamma ELISA Kit results of a typical standard run with optical density reading at 450 nm.