ARG83584

arigoQIKTM Human CCL2 / MCP1 ELISA Development Kit

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

Summary

Product Description	ARG83584 arigoQIK™ Human CCL2 / MCP1 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 CCL2 / MCP1 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	Hu
Tested Application	ELISA
Target Name	CCL2 / MCP1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	50 µl
Alternate Names	CCL2; C-C Motif Chemokine Ligand 2; MCP-1; MCP1; MCAF; HC11; Monocyte Chemotactic And Activating Factor; Monocyte Secretory Protein JE; SMC-CF 2; GDCF-2; SCYA2; Small Inducible Cytokine A2 (Monocyte Chemotactic Protein 1, Homologous To Mouse Sig-Je); Small Inducible Cytokine Subfamily A (Cys-Cys), Member 2; Monocyte Chemoattractant Protein-1; Chemokine (C-C Motif) Ligand 2; Monocyte Chemotactic Protein 1; Small-Inducible Cytokine A2; C-C Motif Chemokine 2; MGC9434; Monocyte Chemotactic Protein 1, Homologous To Mouse Sig-Je; Monocyte Chemoattractant Protein 1; HSMCR30

Properties

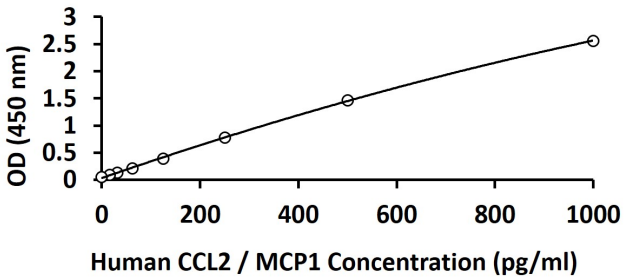
Form	96 well
Storage instruction	Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CCL2
Gene Full Name	C-C Motif Chemokine Ligand 2

Background	This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4. Elevated expression of the encoded protein is associated with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection. [provided by RefSeq, Aug 2020]
Function	Exhibits a chemotactic activity for monocytes and basophils but not neutrophils or eosinophils. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosi. [UniProt]
PTM	Disulfide bond, Glycoprotein, Pyrrolidone carboxylic acid. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83584 arigoQIK Human CCL2 / MCP1 ELISA Development Kit standard curve image

ARG83584 arigoQIK Human CCL2 / MCP1 ELISA Development Kit results of a typical standard run with optical density reading at 450 nm.