

Quantification of MCP-1 in human plasma/serum using ELISA

Monocyte chemoattractant protein-1 (MCP-1/CCL2) is one of the key chemokines that regulate migration and infiltration of monocytes/macrophages. Migration of monocytes from the blood stream across the vascular endothelium is required for routine immunological surveillance of tissues, as well as in response to inflammation.

MCP-1 is implicated in pathogenesis of several diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis and atherosclerosis.

Vitas AM-253 is a direct sandwich ELISA quantification method for MCP-1 in human plasma/serum.

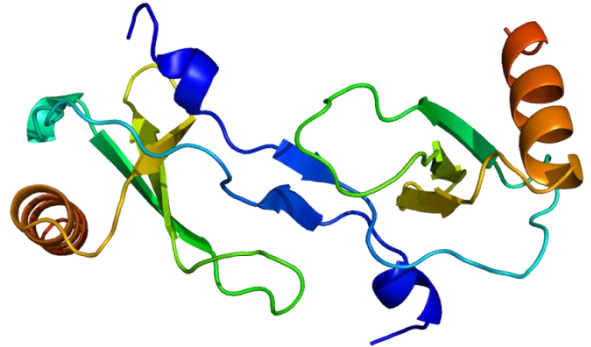


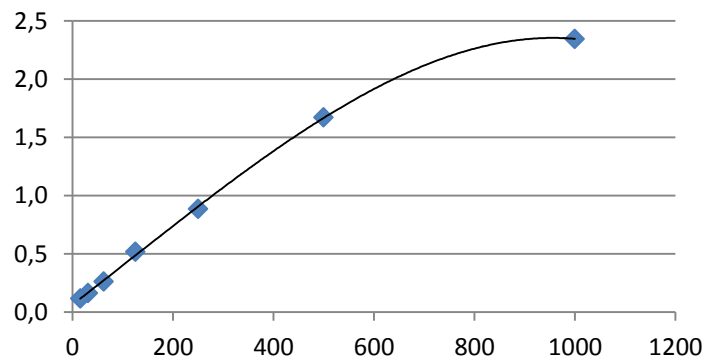
Illustration of the MCP-1 protein

Method details:

- Technique: ELISA
- Sample Matrix: Plasma/serum
- Species: Humant
- Anticoagulant: All
- Sample volume: 50 μ l
- Shipping: Dry ice

- Method Range : 31 - 2000 pg/ml
- LOD: 20 pg/ml
- LOQ: 31 pg/ml
- Precision: < 10%

Calibration curve for the quantification of MCP-1 in human plasma



Vitas is a Norwegian GMP certified chemical analysis contract lab, with 20 years experience in providing a high quality, custom chromatographic analytical service based on cutting-edge knowledge and technology.