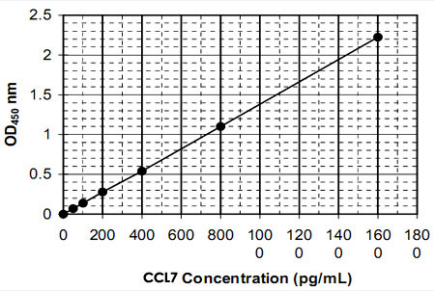
CCL7 (Human) ELISA Kit

Catalog # KA0519 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CCL7 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CCL7.
Suitable Sample	Cell Culture Supernatant, Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	5.56%
Inter-Assay	6.64%
Spiking Recovery	Serum: 102.00%, Plasma: 101.40%, Cell Culture Supernatant: 102.10%
Calibration Range	30 to 1540 pg/mL
Limit of Detection	30 pg/mL
Reactivity	Human

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Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — CCL7

Entrez GeneID	6354
Gene Name	CCL7
Gene Alias	FIC, MARC, MCP-3, MCP3, MGC138463, MGC138465, NC28, SCYA6, SCYA7
Gene Description	chemokine (C-C motif) ligand 7
Omim ID	158106
Gene Ontology	Hyperlink
Gene Summary	This gene encodes monocyte chemotactic protein 3, a secreted chemokine which attracts macro phages during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. The protein is an in vivo substr ate of matrix metalloproteinase 2, an enzyme which degrades components of the extracellular mat rix. This gene is part of a cluster of C-C chemokine family members on chromosome 17q. [provid ed by RefSeq
Other Designations	monocyte chemoattractant protein 3|monocyte chemotactic protein 3|small inducible cytokine A7 (monocyte chemotactic protein 3)

Publication Reference

- Monocyte chemotactic protein-3 (MCP3) interacts with multiple leukocyte receptors. C-C CKR1, a receptor for macrophage inflammatory protein-1 alpha/Rantes, is also a functional receptor for MCP3.

  Ben-Baruch A, Xu L, Young PR, Bengali K, Oppenheim JJ, Wang JM.

  The Journal of Biological Chemistry 1995 Sep; 270(38):22123.

  Application: Quant, Human, Human leukocytes

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- The human MCP-3 gene (SCYA7): cloning, sequence analysis, and assignment to the C-C chemokine gene cluster on chromosome 17q11.2-q12.

  Opdenakker G, Fiten P, Nys G, Froyen G, Van Roy N, Speleman F, Laureys G, Van Damme J.

  Genomics 1994 May; 21(2):403.

- Monocyte chemotactic protein 3 is a most effective basophil- and eosinophil-activating chemokine.

  Dahinden CA, Geiser T, Brunner T, von Tscharner V, Caput D, Ferrara P, Minty A, Baggiolini M.

  The Journal of Experimental Medicine 1994 Feb; 179(2):751.

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Arthritis
- Asthma
- Birth Weight
- Bronchiolitis
- Crohn Disease
- Disease Progression
- Encephalomyelitis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- HIV Infections
- Infant
- Leukemia

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- Meningeal Neoplasms
- Meningioma
- Multiple Sclerosis
- Ovarian Neoplasms
- Respiratory Syncytial Virus Infections

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