

CCL8

Human Chemokine (C-C motif) Ligand 8/MCP2 ELISA Kit

Catalog No.	CK412	Quantity:	1 x 96 tests
Description:	<p>Chemokine (C-C motif) Ligand 8, also known as Monocyte Chemotactic Protein 2 (MCP2), belongs to a family of secreted proteins involved in immunoregulatory and inflammatory processes structurally related to the CXC subfamily of cytokines. CCL8/MCP2 displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation CCL8/MCP2 may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection. CCL8/MCP2 is found in the conditioned medium of human osteosarcoma cell line MG-63 that also secretes some other chemotactic factors including IL8 and CCL2/MCP1. It is related closely to CCL2/MCP1 and CCL7/MCP3. Intradermal injection into rabbits causes the selective recruitment of monocytes at the site of injection. CCL8/MCP2 does not possess suppressive activity against immature subsets of myeloid progenitors stimulated to proliferate by multiple growth factors.</p> <p>The Human CCL8/MCP2 ELISA is an <i>in vitro</i> enzyme-linked immunosorbent assay for the quantitative measurement of Human CCL8/MCP2 in serum, plasma, cell culture supernatants and urine. This assay employs an antibody specific for Human CCL8/MCP2 coated on a 96-well plate. Standards and samples are pipetted into the wells and CCL8/MCP2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and Biotinylated Anti-Human CCL8/MCP2 antibody is added. After washing away unbound Biotinylated antibody, HRP-Streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CCL8/MCP2 bound.</p>		
Sensitivity:	The minimum detectable dose of CCL8/MCP2 is typically less than 1.5 pg/mL.		
Reproducibility:	Intra-Assay: CV<10%; Inter-Assay: CV<12%		
Samples:	Serum, plasma, cell culture supernatants and urine.		
Recovery:	Serum mean recovery of 94% (range 84-104%) Plasma mean recovery of 92% (range 82-104%) Cell culture media mean recovery of 95% (range 85-105%)		
Reagents Included:	<ol style="list-style-type: none"> 1. Microplate 96-wells coated with Capture Antibody 2. Wash Buffer Concentrate (20x) 3. Standards 4. Assay Diluent A: Standard/Sample-Serum/Plasma 5. Assay Diluent B: Standard/Sample-Cell Culture Medium/Urine 6. Biotinylated Detection Antibody 7. HRP-Streptavidin Concentrate 8. TMB One-Step Substrate Reagent 9. Stop Solution 		
Storage & Stability:	May be stored for up to 6 months at 2-8°C from the date of shipment. Standard should be stored below -20°C (-80°C recommended) after reconstitution. Opened Microplate Wells and reagents may be store for up to 1 month at 2-8°C. Return unused wells to the pouch containing desiccant pack, reseal along entire edge of zipseal.		

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