

## CCL8

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

<b>Catalog No.</b>	CK412	<b>Quantity:</b>	1 x 96 tests
<b>Description:</b>	<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>		
<b>Sensitivity:</b>	The minimum detectable dose of CCL8/MCP2 is typically less than 1.5 pg/mL.		
<b>Reproducibility:</b>	Intra-Assay: CV<10%; Inter-Assay: CV<12%		
<b>Samples:</b>	Serum, plasma, cell culture supernatants and urine.		
<b>Recovery:</b>	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%)		
<b>Reagents Included:</b>	<ol style="list-style-type: none"> <li>1. Microplate 96-wells coated with Capture Antibody</li> <li>2. Wash Buffer Concentrate (20x)</li> <li>3. Standards</li> <li>4. Assay Diluent A: Standard/Sample-Serum/Plasma</li> <li>5. Assay Diluent B: Standard/Sample-Cell Culture Medium/Urine</li> <li>6. Biotinylated Detection Antibody</li> <li>7. HRP-Streptavidin Concentrate</li> <li>8. TMB One-Step Substrate Reagent</li> <li>9. Stop Solution</li> </ol>		
<b>Storage &amp; Stability:</b>	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.		

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**