# .-online.com antibodies

## Datasheet for ABIN6386146 CCL13 IQ-ELISA Kit



#### Overview

| Quantity:          | 96 tests  |
|--------------------|---|
| Target:            | CCL13   |
| Reactivity:        | Human   |
| Method Type:       | Sandwich ELISA  |
| Application:       | ELISA   |
| Product Details    |   |
| Purpose:           | Human Immunoquantitative (PCR-Based) MCP-4 ELISA Kit for cell culture supernatants,           |
|                    | plasma, and serum samples.  |
| Sample Type:       | Cell Culture Supernatant, Plasma, Serum   |
| Analytical Method: | Semi-Quantitative   |
| Detection Method:  | qPCR  |
| Sensitivity:       | 0.3 pg/mL   |
| Characteristics:   | IQ-ELISAs employ specific capture antibodies coated on a 96-well PCR plate. Standards and     |
|                    | samples are pipetted into the wells, the target protein in the standards and samples binds to |
|                    | the immobilized antibody. The wells are washed and the detection affinity reagent is added to |
|                    | the wells where it binds to any captured antigen. The wells are washed, and primers and PCR   |
|                    | master mix are added to each well. The plate is placed into a real time PCR instrument for    |
|                    | cycling and measurement of DNA amplification. The cycle number where amplification is         |
|                    | detected is proportional to the amount of affinity detection reagent that bound to captured   |
|                    | antigen in each well.   |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6386146 | 11/30/2023 | Copyright antibodies-online. All rights reserved.

#### Product Details

| Components:            | <ul> <li>MCP-4 Microplate (Item A): 96 well PCR plate coated with anti-Human MCP-4</li> <li>Wash Buffer I Concentrate (20x) (Item B): 25 ml of 20x concentrated solution</li> <li>Standards (Item C): 2 vials of recombinant Human MCP-4</li> <li>Assay Diluent A (Item D): 30 ml diluent buffer, 0.09% sodium azide as preservative. For<br/>Standard/Sample (serum/plasma) diluent</li> <li>Assay Diluent B (Item E): 15 ml of 5x concentrated buffer. For Standard/Sample (cell culture<br/>medium/urine) diluent</li> <li>Detection Affinity Reagent for MCP-4 (Item F): 2 vials of a 4x concentrated solution of anti-<br/>Human MCP-4 affinity reagent</li> <li>IQELISA Detection Reagent (Item G): 1.4ml of a 10x concentrated stock</li> <li>Primer Solution (Item I): 1.7 ml vial</li> <li>PCR Master Mix (Item J): 1.2 ml vial</li> <li>PCR Preparation buffer (Item K): 1ml vial of 10x concentrated buffer</li> </ul> |
|------------------------|---|
| Material not included: | <ul> <li>Real-time PCR instrument, Bio-Rad recommended</li> <li>Precision pipettes to deliver 2 µL to 1 mL volumes</li> <li>Adjustable 1-25 mL pipettes for reagent preparation</li> <li>100 mL and 1 liter graduated cylinders</li> <li>Absorbent paper</li> <li>Distilled or deionized water</li> <li>Log-log graph paper or computer and software for data analysis</li> <li>Tubes to prepare standard or sample dilutions</li> <li>Heating block or water bath capable of 80 °C</li> </ul>  |

#### Target Details

| Target:           | CCL13  |
|-------------------|--|
| Alternative Name: | MCP-4 (CCL13 Products)   |
| Gene ID:          | 6357   |
| UniProt:          | Q99616   |
| Pathways:         | Regulation of Systemic Arterial Blood Pressure by Hormones, The Global Phosphorylation |
|                   | Landscape of SARS-CoV-2 Infection  |

### Application Details

| Application Notes: | The Immuno-Quantitative ELISA (IQELISA) kits are an innovative assay platform that combines        |
|--------------------|--|
|                    | the specificity and ease of use of an ELISA with the sensitivity of real-time PCR. This results in |
|                    | an assay that is simultaneously familiar and cutting edge and enables the use of only 1/10th       |
|                    | the sample volume while also providing 10x more sensitivity than a traditional ELISA.              |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN6386146 | 11/30/2023 | Copyright antibodies-online. All rights reserved.

| Application Details |  |
|---------------------|--|
| Comment:            | The Immuno-Quantitative ELISA (IQELISA <sup>™</sup> ) kits are an innovative assay platform that<br>combines the specificity and ease of use of an ELISA with the sensitivity of real-time PCR. Also<br>called immuno-PCR, this detection platform results in an assay that is simultaneously familiar<br>and cutting edge. Compared to traditional ELISA, IQELISA <sup>™</sup> enables the use of only 1/10th the<br>sample volume while also providing 10x more sensitivity.     |
| Sample Volume:      | 25 μL  |
| Plate:              | Pre-coated   |
| Protocol:           | <ol> <li>Prepare all reagents, samples and standards as instructed</li> <li>Add 25 µL standard or sample to each well. Incubate for 2.5 hours at room temperature or<br/>overnight at 4°C</li> <li>Add 25 µL detection affinity reagent to each well. Incubate 1 hour at room temperature</li> <li>Add 25µL of IQELISA Detection Reagent to each well. Incubate 1 hour</li> <li>Add 15µL Primer solution 10µL of PCR master mix to each well</li> <li>Run real-time PCR</li> </ol> |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Storage:            | 4 °C,-20 °C,-80 °C   |
| Storage Comment:    | May be stored for up to 6 months at 2° to 8°C from the date of shipment. Standard<br>(recombinant protein) should be stored at -20°C or -80°C (recommended at -80°C) after<br>reconstitution. Opened PCR plate or reagents may be stored for up to 1 month at 2° to 8°C.<br>Note: the kit can be used within one year if the whole kit is stored at -20°C. Avoid repeated<br>freeze-thaw cycles.   |
| Expiry Date:        | 6 months   |