

Datasheet for ABIN116143 **anti-CCL8 antibody**



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Overview

Quantity:	50 µg
Target:	CCL8
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL8 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Functional Studies (Func)

Product Details

Immunogen:	Highly pure (>98%) recombinant hMCP-2.
Specificity:	Human Macrophage Chemotactic Protein-2 (MCP-2).
Purification:	Affinity chromatography.

Target Details

Target:	CCL8
Alternative Name:	MCP2 / CCL8 (CCL8 Products)
Background:	MCP 2 (Monocyte Chemoattractant Protein 2) is a chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils. MCP 2 is important to inflammatory host responses, and is found in the highest concentration in the small intestine and peripheral blood cells. This protein is structurally related to the CXC subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. By recruiting leukocytes to

Target Details

sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection. Synonyms: C-C motif chemokine 8, CCL-8, HC14, MCP-2, Monocyte Chemotactic Protein-2, Monocyte chemoattractant protein 2, SCYA10, SCYA8, Small-inducible cytokine A8

Gene ID: 6355

NCBI Accession: [NP_005614](#)

UniProt: [P80075](#)

Application Details

Application Notes:

Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hMCP-2 (100.00 ng/mL), a concentration of 12-16 µg/mL of this antibody is required. **ELISA:** To detect hMCP-2 by Indirect ELISA (using 100 l/well antibody solution) a concentration of at least 0.5-0.2 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hMCP-2. **Sandwich:** To detect hMCP-2 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human MCP-2 (PP1045B1/B2) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hMCP-2. **Western Blot:** To detect hMCP-2 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hMCP-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives.

Preservative: Without preservative

Handling Advice: Centrifuge vial prior to opening!

Storage: 4 °C

Handling

Storage Comment: Store the antibody in the dark at 2-8 °C. Do Not Freeze! Avoid prolonged exposure to light.