Datasheet for ABIN115779

anti-CCL8 antibody

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Overview

Quantity:	0.5 mg
Target:	CCL8
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCL8 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Functional Studies (Func)

Product Details

Immunogen:	Highly pure (>98%) recombinant Human MCP-2
Isotype:	IgG1
Specificity:	Reacts with Human Macrophage Chemotactic Protein-2 (MCP-2)
Purification:	Affinity Chromatography on Protein A

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

Target Details

	characterized by two cysteines separated by a single amino acid. By recruiting leukocytes to 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:	ELISA: In a sandwich ELISA (assuming 100 µL/well), a concentration of 1.0-2.0 µg/mL of thisantibody will detect at least 100 pg/mL of recombinant human MCP-2 when used withBiotin anti-Human MCP-2 antibody (cat. PP1047B) as the detection antibody at aconcentration of approximately 0.5-1.0 µg/mL. Western Blot: To detect Human MCP-2 by Western Blot analysis this antibody can be usedat a concentration of 0.25-0.50 µg/mL. Used in conjunction with compatible secondaryreagents the detection limit for recombinant hMCP-2 is 0.25-0.50 ng/lane, undernon-reducing conditions. Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity ofHuman MCP-2 (100 ng/mL), a concentration of 0.8-1.0 µg/mL of this antibody is required. 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 1.0 mg/mL.
Buffer:	PBS without preservatives
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody prior to reconstitution at -20 °C. Following reconstitution the antibody can be stored at 2-8 °C for one month or at -20 °C for longer.