

Product datasheet for **PM1208P**

MDC (CCL22) Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	ELISA: In a sandwich ELISA (assuming 100 µl/well), a concentration of 2-4 µg/ml of this antibody will detect at least 100 pg/ml of recombinant Human MDC when used with biotinylated antigen affinity purified anti-Human MDC antibody (cat. PP1049B) as the detection antibody at a concentration of at least 1 µg/ml. Western Blot: To detect Human MDC by Western Blot analysis this antibody can be used at a concentration of 0.25-0.50 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hMDC is 0.25-0.50 ng/lane, under non-reducing conditions. Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hMIG (100 ng/ml), a concentration of 5.0-10.0 µg/ml of this antibody is required.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	highly pure (>98%) recombinant Human MDC
Specificity:	Recognises Human Macrophage Derived Chemokine (MDC)
Formulation:	PBS without preservatives State: Azide Free State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	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. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	C-C motif chemokine ligand 22



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Database Link: [Entrez Gene 6367 Human](#)
[O00626](#)

Background: The MDC gene is one of several Cys-Cys (CC) cytokine genes which are clustered on the q arm of chromosome 16. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by MDC displays chemotactic activity for natural killer cells, chronically activated T lymphocytes, monocytes and dendritic cells. It has no chemoattractant activity for eosinophils, neutrophils and resting T lymphocytes and also displays a mild activity for primary activated T lymphocytes. The product of this gene binds to chemokine receptor CCR4. This chemokine may play a role in the trafficking of activated T lymphocytes to inflammatory sites and other aspects of activated T lymphocyte physiology.

Synonyms: SCYA22, CC chemokine STCP-1