

Product datasheet for **AM32136PU-N**

Ccl2 Mouse Monoclonal Antibody [Clone ID: MNA1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MNA1
Applications:	ELISA, IHC, IP, Neutralize, WB
Recommended Dilution:	Western Blot. Flow Cytometry. Immunohistochemistry on frozen and paraffin sections. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1/50. Immunoprecipitation. Immunofluorescence. Immunoassay. ELISA. Neutralization of chemotactic activity of MCP-1.
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	Monoclonal antibody MNA.1 (formerly known as 5D3-F7) recognizes human natural and recombinant monocyte chemotactic protein-1 (MCP-1). No cross-reactivity with other cytokines has been detected. Monoclonal antibody also recognizes porcine MCP-1.
Formulation:	PBS State: Liquid State: Liquid purified Ig fraction (0.2 µm filtered) Stabilizer: 0.1% BSA, contains 0.02% sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	chemokine (C-C motif) ligand 2
Database Link:	Entrez Gene 20296 Mouse P10148
Background:	Monocyte chemotactic protein-1 (MCP-1) belong to the b or CC family of chemotactic cytokines, or chemokines, which stimulate the migration of monocytic cells. In contrast, the CXC chemokines predominantly activate polymorphonuclear leukocytes. The coordinated synthesis and release of MCP-1 plays a central role in both acute and chronic inflammatory processes by controlling the influx of phagocytic cells. Furthermore, their state of activation is in concert with primary inflammatory cytokines, such as interleukin-1 (IL-1), tumor necrosis factor-alpha (TNF-a), and IL-6. A selective accumulation of MCP-1 in the cerebrospinal fluid (CSF) of AIDS patients with cytomegalovirus (CMV) encephalitis, but not with other opportunistic infections (OI) or primary lymphomas of the central nervous system (CNS), has been described.
Synonyms:	C-C motif chemokine 2, SCYA2, MCAF, Small-inducible cytokine A2, MCP-1, HC11, HC-11