



BMA BIOMEDICALS



Peninsula Laboratories

Monocyte Chemotactic Protein-1 (MCP-1) (65-76) (human) ELISA

Monocyte chemoattractant protein-1 (MCP-1) is also referred to as chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine that belongs to the CC chemokine family. It recruits monocytes, memory T cells, and dendritic cells to the sites of inflammation produced by either tissue injury or infection. MCP1 is a monomeric polypeptide, with a molecular weight of approximately 13-15 kDa depending on levels of glycosylation. It is anchored in the plasma membrane of endothelial cells by glycosaminoglycan side chains of proteoglycans.

This ELISA was developed with serum from rabbits immunized with Monocyte Chemotactic Protein-1 (65-76) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

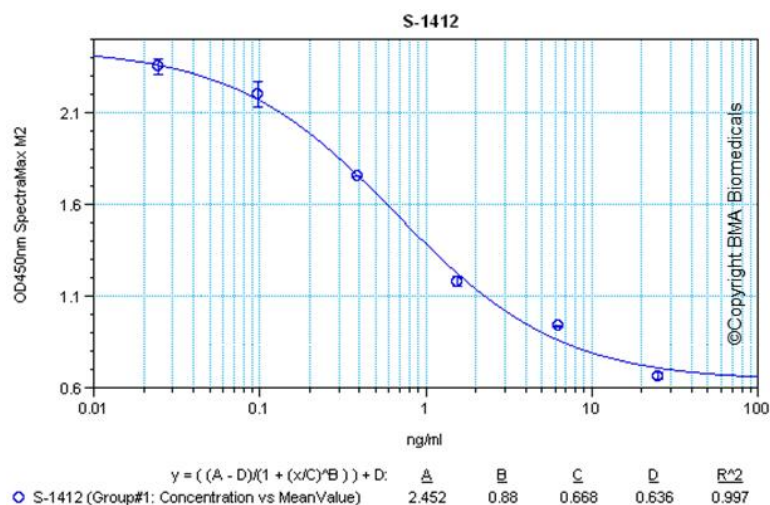
Product number:	S-1412 (Lot A10354)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from date of purchase. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples, following protocol III. Please see www.bma.ch for protocols and general information.
Range:	0 - 25 ng/ml
Average IC₅₀:	0.7 ng/ml
Immunogen:	Synthetic peptide H-Asp-His-Leu-Asp-Lys-Gln-Thr-Gln-Thr-Pro-Lys-Thr-OH coupled to carrier protein.

Protein database: [human-Q6UZ82](#)

Cross-Reactivity:

PEPTIDE	%
Monocyte Chemotactic Protein-1 (65-76) (human)	100
Secretoneurin (human, porcine)	0
Secretoneurin (mouse, rat)	0

Typical titration curve of Monocyte Chemoattractant Protein-1 (65-76) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.02 to 25ng/ml
Stock	1000	
S1	25.00	Add 25µl Stock + 975µl diluent
S2	6.25	Add 200µl S1 + 600µl diluent
S3	1.56	Add 200µl S2 + 600µl diluent
S4	0.39	Add 200µl S3 + 600µl diluent
S5	0.10	Add 200µl S4 + 600µl diluent
S6	0.02	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.