

Human CCL7/MCP-3 ELISA Kit | CCL7 elisa kit

Human CCL7/MCP-3 Quick ELISA Kit

CATALOG #
AAA125857

REACTIVITY
Human

PRODUCT SYNONYMS

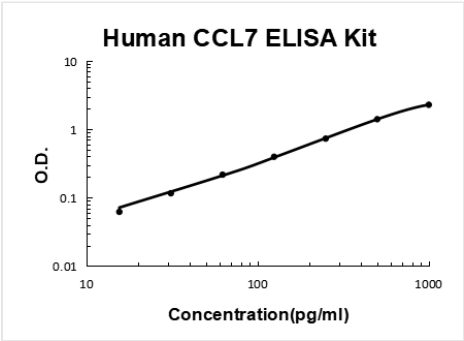
CCL7/MCP-3; Human CCL7/MCP-3 Quick ELISA Kit; CCL7/MCP-3/MAR[C-C motif chemokine 7; CCL7; chemokine (C-C motif) ligand 7; FIC; MARC; MCP-3; MCP3Monocyte chemotactic protein 3; MCP-3Small-inducible cytokine A7; MGC138465; Monocyte chemoattractant protein 3; NC28SCYA6; SCYA7MGC138463; small inducible cytokine A7 (monocyte chemotactic protein 3); CCL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CCL7
Assay Type	Colorimetric sandwich
Samples	cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6pg/ml-1,000pg/ml
Sensitivity	<1pg/ml
Capture/Detection Antibodies	Capture antibody- polyclonal antibody from goat Detection antibody- polyclonal antibody from goat
Sample Data	Concentration(pg/ml) 0 15.6 31.2 62.5 125 250 500 1000 O.D. 0.019 0.081 0.135 0.236 0.416 0.750 1.425 2.307
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 35 175 512 Standard deviation 2.77 12.78 28.16 >CV(%) 7.9% 7.3% 5.5%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 41 166 506 Standard deviation 2.83 13.11 30.87 CV(%) 6.9% 7.9% 6.1%
Reproducibility	To assay reproducibility, three samples with differing target protein concentrations were assayed using four different lots. Lots: Lot 1 (pg/ml) Lot 2 (pg/ml) Lot 3 (pg/ml) Lot 4 (pg/ml) Mean (pg/ml) Standard Deviation CV (%) Sample 1: 35 31 36 41 36 3.32 9.3% Sample 2: 175 166 170 169 170 2.25 1.5% Sample 3: 512 526 443 429 478 39.63 8.3% *number of samples for each test n=16.
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen	Expression system for standard: E Coli; Immunogen sequence: Q24-L99
Anticoagulant	heparin or EDTA
Benefits	The Quick ELISA kits, assay takes less than 1.5 hours. Detect Human CCL7/MCP-3 with <1pg/ml sensitivity. Format: 96-well plate with removable strips. This is a TMB colorimetric sandwich ELISA kit with short assay time and quick experiment set up.

Principle	Human CCL7 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CCL7 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Human CCL7 with immunogen: Expression system for standard: E Coli; Immunogen sequence: Q24-L99. To measure Human CCL7, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human CCL7 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CCL7 in the sample.
Assay Procedure Step 1	1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml
TMB Incubation Time	15
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice.)

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for CCL7 elisa kit	Chemokine(C-C motif) ligand 7(CCL7) is a small cytokine known as a chemokine that was previously called monocyte-specific chemokine 3(MCP3). It belongs to the C-C chemokine family. By fluorescence in situ hybridization, mapped the MCP3 gene to chromosome 17q11. 2-q12. MCP3 was identified as a physiologic substrate of gelatinase A. Cleaved MCP3 binds to CC-chemokine receptors-1, -2, and -3, but no longer induces calcium fluxes or promotes chemotaxis, and instead acts as a general chemokine antagonist that dampens inflammation, suggested that matrix metalloproteinases are both effectors and regulators of the inflammatory response.
Product Categories/Family for CCL7 elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	313708
UniProt Accession #	P80098; Q569J6
Molecular Weight	11,200 Da
NCBI Official Full Name	monocyte chemotactic protein-3
UniProt Protein Name	C-C motif chemokine 7
UniProt Gene Name	CCL7

UniProt Synonym Gene Names	MCP3; SCYA6; SCYA7; MCP-3
UniProt Entry Name	CCL7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ccl7-mcp-3/125857>