

Product datasheet for **PP1017P2**

I 309 (CCL1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization. ELISA: To detect hI-309 by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hI-309. Western Blot: To detect hI-309 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hI-309 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hI-309.
Specificity:	This antibody reacts with human I-309.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine ligand 1



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Database Link: [Entrez Gene 6346 Human P22362](#)

Background: I-309 is a member of the C-C, or beta chemokine class. Other chemokines in this group include MIP1 alpha, MIP1 beta, RANTES, MCP1/2/3/4, mouse JE, 1 - 2 µg/ml antibody detects 20 and mouse MARC, eotaxin, HCC1 and C10. These chemokines act primarily as chemoattractants and activate monocytes, dendritic cells, T lymphocytes, natural killer cells, B lymphocytes, basophils and eosinophils. I-309 was originally identified by subtractive hybridization as a transcript that was present in a gamma/delta T cell line but not in EBVtransformed B cells. I-309 is a chemoattractant for monocytes, but not for neutrophils. IP-10 is an approximately 8.5 kD polypeptide of 73 amino acids. The precursor form of human I-309 consists of 96 amino acids. To generate the mature I-309, the precursor cleaves its hydrophobic signal peptide. Human I-309 is thought to be a homologue of the mouse TCA3, and shows 42% amino acid homology to mouse TCA3.

Synonyms: C-C motif chemokine 1, Small-inducible cytokine A1, CCL-1, SCYA1

Note: Centrifuge vial prior to opening!