

## Product datasheet for **PP1017B2**

### I 309 (CCL1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Direct ELISA:</b> To detect Human I-309 by Direct ELISA (using 100 µl/well) a concentration of ~1.0 µg/ml of this antibody is required. This Biotinylated polyclonal antibody allows the detection of at least 0.2-0.4 ng/well of recombinant Human I-309. <b>Sandwich ELISA:</b> To detect Human I-309 by Sandwich ELISA (using 100 µl/well) a concentration of 0.25-1.0 µg/ml of this antibody is required. This Biotinylated polyclonal antibody, in conjunction with anti-Human I-309 (PP1017P1 or PP1017P2) as a Capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human I-309. <b>Western Blot:</b> To detect Human I-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 Human I-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 Human I-309.
Specificity:	Recognizes Human I-309
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction. Label: conjugated
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
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.



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<b>Gene Name:</b>	C-C motif chemokine ligand 1
<b>Database Link:</b>	<a href="#">Entrez Gene 6346 Human P22362</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	C-C motif chemokine 1, Small-inducible cytokine A1, CCL-1, SCYA1
<b>Note:</b>	Centrifuge vial prior to opening!