

Datasheet for ABIN116045 **anti-CCL1 antibody (Biotin)**

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Overview

Quantity:	25 µg
Target:	CCL1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (>98%) recombinant Human I-309. Remarks: Molecular Weight: ~150 kDa
Specificity:	Recognizes Human I-309
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity Chromatography.

Target Details

Target:	CCL1
Alternative Name:	CCL1 / I-309 (CCL1 Products)
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,

Target Details

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, CCL-1, SCYA1, Small-inducible cytokine A1, T lymphocyte-secreted protein I-309

Gene ID: 6346

NCBI Accession: [NP_002972](#)

UniProt: [P22362](#)

Application Details

Application Notes: Direct ELISA: To detect Human I-309 by Direct ELISA (using 100 µL/well) a concentration of approx. 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. Sandwich ELISA: 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. Western Blot: 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.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing. Centrifuge vial prior to opening!

Storage: 4 °C/-20 °C

Storage Comment: 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.