

## Anti-CCL20 [AB1] Standard Size Ab03417-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse Fab format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** AB1

**Alternative Name(s) of Target:** C-C motif chemokine 20; Beta-chemokine exodus-1; CC chemokine LARC; CC chemokine ST38; Liver and activation-regulated chemokine; Macrophage inflammatory protein 3 alpha; MIP-3-alpha; Small-inducible cytokine A20

**UniProt Accession Number of Target Protein:** O89093

**Published Application(s):** in vitro, SPR, ELISA

**Published Species Reactivity:** Mouse

**Immunogen:**

**Specificity:** The antibody is specific for murine CCL20. The antibody does not recognise human CCL20.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis. Capture ELISA was performed and the 1:1 binding kinetics and affinities were measured by surface plasmon resonance ( $K_d = 2.3$  nM). CCR6 Chinese hamster ovary (CHO)-K1  $\beta$ -arrestin G protein-coupled receptor functional assay was performed to measure the inhibition of the antibody ( $IC_{50} = 30.7$ ).

**Antibody First Published in:** Cannon et al. Experimentally guided computational antibody affinity maturation with de novo docking, modelling and rational design PLoS Comput Biol. 2019 May; 15(5): e1006980. [PMID:31042706](#)

**Note on publication:** The original paper describes the generation and computational affinity maturation of the antibody.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.