

Anti-CCL20 [AB1] Bulk Size Ab03417-23.0-BT

This chimeric rabbit 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: Rabbit IgG, 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 β -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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.