

DESCRIPTION

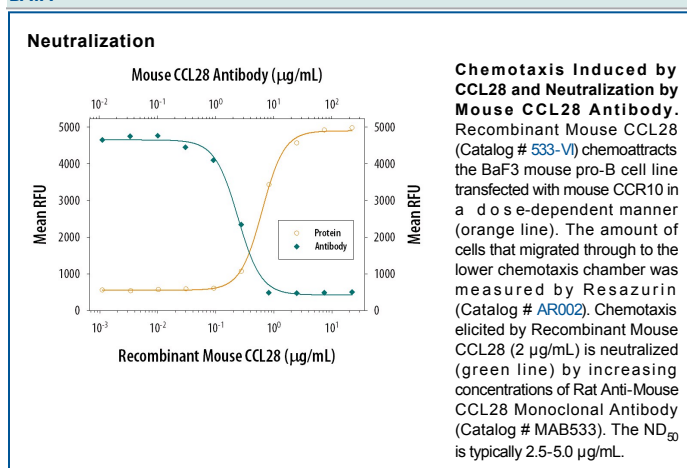
Species Reactivity	Mouse
Specificity	Detects mouse CCL28 in Western blots. In Western blots, approximately 25% cross-reactivity with recombinant human (rh) CCL28 is observed and no cross-reactivity with rhCCL1, 2, 3, 4, 5, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, recombinant mouse CCL1, 2, 3, 4, 6, 7, 9/10, 11, 12, 19, 20, 21, 22, 24, 25, 27, or recombinant rat CCL20 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 134306
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse CCL28 Ile23-Arg130 Accession # Q9JIL2
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Mouse CCL28 (Catalog # 533-VI) under non-reducing conditions only
Neutralization		Measured by its ability to neutralize CCL28-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with mouse CCR10. The Neutralization Dose (ND ₅₀) is typically 2.5-5.0 µg/mL in the presence of 2 µg/mL Recombinant Mouse CCL28.

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Mouse CCL28 (CC chemokine ligand 28) is a novel CC chemokine cloned from a Rag-1 mouse kidney cDNA library. Mouse CCL28 cDNA encodes a 130 amino acid (aa) residue precursor protein with a putative 22 aa residue signal peptide that is cleaved to produce the 108 aa residue mature protein. Human and mouse CCL28 are highly conserved, sharing 83% aa identity in their mature regions. Among CC chemokines, CCL28 shares the most homology with CCL27/CTACK. The mouse CCL28 gene has been mapped to the distal region of chromosome 13. Mouse CCL28 is produced by epithelial cells. Based on Northern blot analysis, it is mainly expressed in testes, kidney and brain. The receptor for CCL28 has been identified as the CCR10 which is also the receptor for CCL27/CTACK.

References:

1. Wang, W. *et al.* (2000) *J. Biol. Chem.* **275**:22313.