

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL28 in ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant human CCL28 or recombinant mouse CCL27 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 134315
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse CCL28 Ile23-Arg130 Accession # Q9JIL2
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

Mouse CCL28 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Mouse CCL28 Antibody (Catalog # MAB5331)
ELISA Detection	0.1-0.4 µg/mL	Mouse CCL28 Biotinylated Antibody (Catalog # BAF533)
Standard		Recombinant Mouse CCL28 (Catalog # 533-VI)

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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
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) precursor protein with a 22 aa signal peptide and a 108 aa mature protein. Mature human and mouse CCL28 share 83% aa identity. Among CC chemokines, CCL28 shares the most homology with CCL27/CTACK. 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.