

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL28 in ELISAs and Western blots. In sandwich immunoassays, less than 1% cross-reactivity with recombinant mouse (rm) CCL28 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CCL28 (R&D Systems, Catalog # 717-VC) Ile23-Tyr127 Accession # Q9NRJ3
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. 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	0.1 µg/mL	Recombinant Human CCL28 (Catalog # 717-VC)
Human CCL28 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human CCL28 Antibody (Catalog # MAB7171)
ELISA Detection	0.1-0.4 µg/mL	Human CCL28 Biotinylated Antibody (Catalog # BAF717)
Standard		Recombinant Human CCL28 (Catalog # 717-VC)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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

Human CCL28 (CC chemokine ligand 28) is a novel CC chemokine identified by TBLASTN searches of the Human Genome Systems (HGS) and Genbank dbEst database using a human chemokine consensus sequence. Human CCL28 cDNA encodes a 127 amino acid (aa) residue precursor protein with a putative 22 aa residue signal peptide that is cleaved to produce the 105 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. Human and mouse CCL28 RNA expression was found to be highest in normal and pathologic colon with the protein being expressed by epithelial cells. Human CCL28 RNA was also present in normal and asthmatic lung tissues. The receptor for CCL28 has been identified as the CCR10 (GPR2 orphan receptor) which is also the receptor for CCL27/CTACK.

References:

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