Human CCL25/TECK Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: BAF334

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL25/TECK in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with rmTECK is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human CCL25/TECK Gln24-Leu150 Accession # AAB69981
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 CCL25/TECK
Human CCL25/TECK Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Human CCL25/TECK Antibody (Catalog # MAB3341)
ELISA Detection	0.1-0.4 µg/mL	Human CCL25/TECK Biotinylated Antibody (Catalog # BAF334)
Standard		Recombinant Human CCL25/TECK (Catalog # 9046-TK)

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.** ● 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

CCL25 (thymus-expressed chemokine) is a novel CC chemokine that is distantly related (approximately 20% amino acid sequence identity) to other CC chemokines. Human CCL25 cDNA encodes a 150 amino acid residue precursor protein with a 23 amino acid residue signal peptide that is cleaved to yield a 127 residue mature protein. Mouse CCL25 cDNA has also been cloned and shown to encode a 144 amino acid protein that exhibits 49% amino acid sequence identity to human CCL25. The expresssion of human and mouse CCL25 was shown to be highly restricted to the thymus and small intestine. Although dendritic cells have been demonstrated to be the source of CCL25 production in the thymus, dendritic cells derived from bone marrow do not express CCL25. The gene for mouse CCL25 has been mapped to chromosome 8 rather than chromosome 11 where many mouse CC chemokines are clustered. Recombinant human and mouse CCL25 have been shown to be chemotactic for activated macrophages, dendritic cells and thymocytes. CCL25 has also been shown to be a specific agonist for the orphan receptor called GPR-9-6, now named CCR9.

References:

1. Vicari, A.P. *et al.* (1997) Immunity **7**:291.

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