

DESCRIPTION

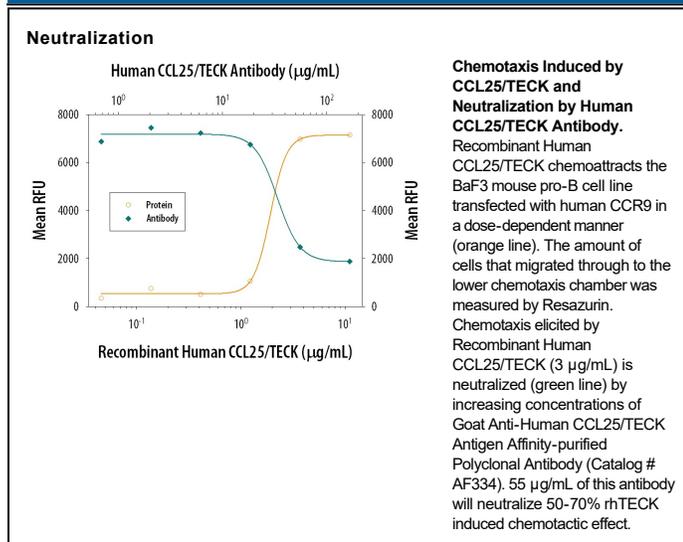
Species Reactivity	Human
Specificity	Detects human CCL25/TECK in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse CCL25/TECK is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CCL25/TECK Gln24-Leu150 Accession # AAB69981
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. *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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human CCL25/TECK
Neutralization		Measured by its ability to neutralize CCL25/TECK-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR9. 55 µg/mL of this antibody will neutralize 50 - 70% of 3 µg/mL rhTECK induced chemotactic effect.

DATA



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. *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

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 expression 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.