

DESCRIPTION

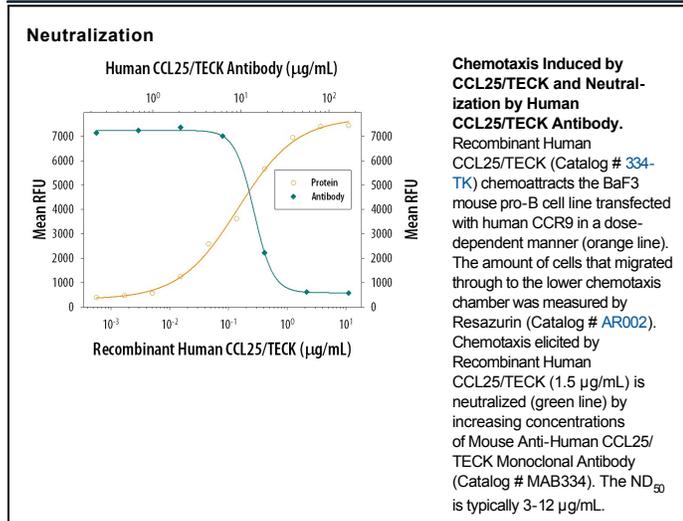
Species Reactivity	Human
Specificity	Detects human CCL25/TECK in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human CCL1, 2, 3, 4, 5, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, recombinant mouse CCL1, 2, 3, 4, 5, 6, 7, 9/10/MIP-1 γ , 11, 12, 17, 19, 21, 22, or recombinant rat CCL20. is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 52513
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CCL25/TECK Gln24-Leu150 Accession # AAB69981
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m 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.

Neutralization	Measured by its ability to neutralize CCL25/TECK-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR9. The Neutralization Dose (ND ₅₀) is typically 3-12 μ g/mL in the presence of 1.5 μ g/mL Recombinant Human CCL25/TECK.
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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. *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 CC chemokine that is distantly related (approximately 20% amino acid sequence identity) to other CC chemokines. Human CCL25 cDNA encodes a 150 aa precursor protein with a 23 aa signal peptide that is cleaved to yield a 127 aa mature protein. Mouse CCL25 cDNA has also been cloned and shown to encode a 144 aa protein that exhibits 49% aa sequence identity to human CCL25. The expression of human and mouse CCL25 has now 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 are chemotactic for activated macrophages, dendritic cells and thymocytes. CCL25 is also a specific agonist for the CCR9 chemokine receptor

References:

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