

DESCRIPTION

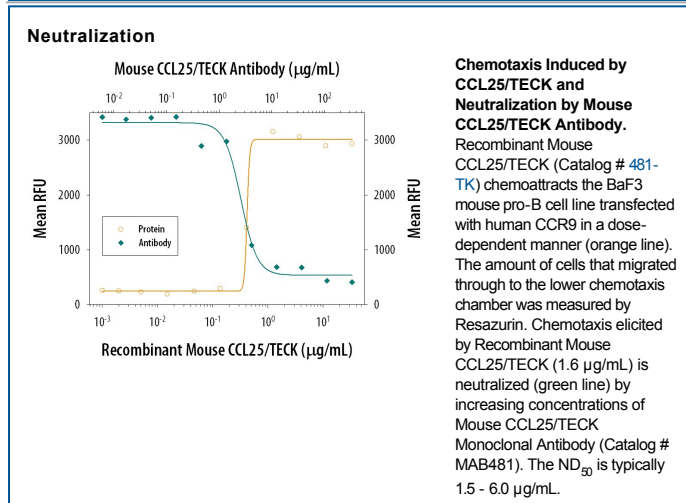
Species Reactivity	Mouse
Specificity	Detects mouse CCL25/TECK in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant mouse (rm) CCL1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 17, 19, 20, 21, 22 or 24, recombinant human (rh) CCL2, 3, 5, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 or 26, or recombinant rat (rr) CCL20 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 89818
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse CCL25/TECK Gln24-Asn144 Accession # O35903.1
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 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	1 µg/mL	Recombinant Mouse CCL25/TECK (Catalog # 481-TK) under non-reducing conditions only
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 1.5-6.0 µg/mL in the presence of 1.6 µg/mL Recombinant Mouse CCL25/TECK.

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 novel CC chemokine that is distantly related (twenty-some % amino acid sequence identity) to other CC chemokines. Mouse CCL25 cDNA encodes a 144 amino acid residue precursor protein with a 23 amino acid residue signal peptide that is cleaved to yield a 121 residue mature protein. Mouse CCL25 shares 49% amino acid sequence identity with 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 mouse CCL25 has been shown to be chemotactic for activated macrophages, dendritic cells and thymocytes (1).

References:

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