Mouse CCL25/TECK Antibody

Monoclonal Rat IgG_{2A} Clone # 89827

Catalog Number: MAB4811

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL25/TECK in ELISAs and Western blots. In Western blots, 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, 25, recombinant mouse CCL1, 2, 3, 4, 6, 7, 9, 11, 12, 19, 20, 21, 22, 24, and recombinant rat CCL20 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 89827
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse CCL25/TECK Gln24-Asn144 Accession # O35903.1
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.

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)
Immunohistochemistry	8-25 µg/mL	Perfusion fixed frozen sections of mouse intestine and perfusion fixed frozen sections of rat intestine
Mouse CCL25/TECK Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Mouse CCL25/TECK Antibody (Catalog # MAB4811)
ELISA Detection	0.1-0.4 µg/mL	Mouse CCL25/TECK Biotinylated Antibody (Catalog # BAF481)
Standard		Recombinant Mouse CCL25/TECK (Catalog # 481-TK)

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.
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), also known as TECK (thymus-expressed chemokine), is a 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 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. CCL25 functions through interactions with CCR9 and is chemotactic for activated macrophages, dendritic cells and thymocytes (1).

References:

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

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