

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
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
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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).

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