

ARG66049 anti-TECK antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TECK
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TECK
Species	Human
Immunogen	E. coli derived recombinant Human TECK. (QGVFEDCCLA YHYPIGWAVL RRAWTYRIQE VSGSCNLPAA IFYLPKRHRK VCGNPKSREV QRAMKLLDAR NKVFAKLHHN MQTFQAGPHA VKKLSSGNSK LSSSKFSNPI SSSRKNVSLI ISANSGL)
Conjugation	Un-conjugated
Alternate Names	Chemokine TECK; Ckb15; SCYA25; Thymus-expressed chemokine; Small-inducible cytokine A25; TECK; C-C motif chemokine 25

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66050 as a detection antibody
	IHC-P	0.5 - 1 µg/ml
	Neut	10 - 15 µg/ml (To yield [ND50] of the biological activity of hTECK (100 ng/ml))
	WB	0.1 - 0.2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Incubate tissue section in a buffer (proteinase K) at RT for 10 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 6370 Human](#)

[Swiss-port # O15444 Human](#)

Gene Symbol

CCL25

Gene Full Name

chemokine (C-C motif) ligand 25

Background

This antimicrobial gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for dendritic cells, thymocytes, and activated macrophages but is inactive on peripheral blood lymphocytes and neutrophils. The product of this gene binds to chemokine receptor CCR9. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

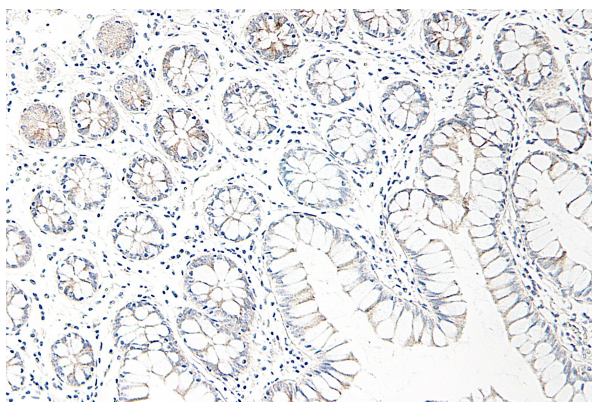
Function

Potentially involved in T-cell development. Recombinant protein shows chemotactic activity on thymocytes, macrophages, THP-1 cells, and dendritic cells but is inactive on peripheral blood lymphocytes and neutrophils. Binds to CCR9. Isoform 2 is an antagonist of isoform 1. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4. [UniProt]

Calculated Mw

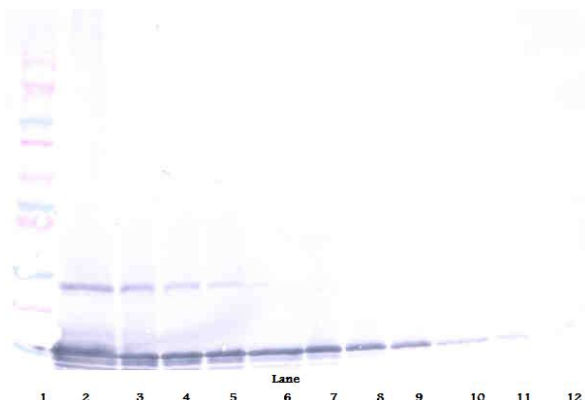
17 kDa

Images



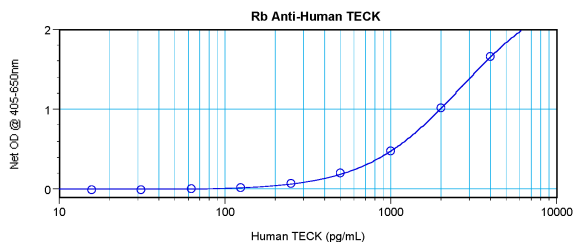
ARG66049 anti-TECK antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human normal small bowel. The recommended ARG66049 anti-TECK antibody concentration is 0.5 µg/ml - 1.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Incubate tissue section in a buffer (proteinase K) at RT for 10 min.



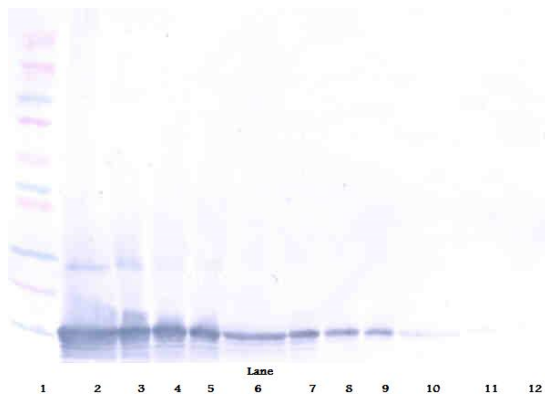
ARG66049 anti-TECK antibody WB image

Western blot: 250 - 0.24 ng of Human TECK stained with ARG66049 anti-TECK antibody, under non-reducing conditions.



ARG66049 anti-TECK antibody standard curve image

Sandwich ELISA: ARG66049 anti-TECK antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG66050 anti-TECK antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66049 anti-TECK antibody WB image

Western blot: 250 - 0.24 ng of Human TECK stained with ARG66049 anti-TECK antibody, under reducing conditions.