

TARC/CCL17 Rabbit Recombinant Oligoclonal Antibody – Purified

Catalog no. 710008

(See product label for lot information)



Clone/PAD: 14HCLC
Isotype: IgG
Gene ID: 6361
Protein Acc. no.: Q92583
Qty: 100 µg
Volume: 200 µl
Concentration: 0.5 mg/mL

Formulation

PBS + 0.09% sodium azide

Validation

Validated for use in Western Blotting

Reactivity

This antibody is specific for human TARC

Immunogen

Recombinant protein

Immunogen sequence

24-94

Sequence Identity

Human

Expected Reactivity

Based on sequence identity and similarity, reactivity to Human is expected.

Storage

2-8°C for up to 1 month, -20°C for long term storage. Avoid repeated freezing and thawing.

Expiration Date

Expires one year from date of receipt when stored as instructed.

Background

TARC (thymus and activation regulated chemokine) also known as Chemokine (C-C motif) ligand (CCL17) belongs to the CC chemokine family (1). It is a small cytokine and the gene is located on q arm of chromosome 16, in humans, along with other chemokines (3). TARC specifically binds to T-cells and interacts with chemokine receptors CCR4 and CCR8 (2). It plays an important role in T cell development in thymus as well as in trafficking and activation of mature T cells (4).

References

- (1) Imai T, Baba M, Nishimura M, Kakizaki M, Takagi S, Yoshie O (1997). The T cell-directed CC chemokine TARC is a highly specific biological ligand for CC chemokine receptor 4. The Journal of Biological Chemistry, 15036-42.
- (2) Bernardini G, Hedrick J, Sozzani S, Luini W, Spinetti G, Weiss M, Menon S, Zlotnik A, Mantovani A, Santoni A, Napolitano M (1998). Identification of the CC chemokines TARC and macrophage inflammatory protein-1 beta as novel functional ligands for the CCR8 receptor. European Journal Of Immunology, 582-8.
- (3) Nomiya H, Imai T, Kusuda J, Miura R, Callen DF, Yoshie O (1997). Assignment of the human CC chemokine gene TARC (SCYA17) to chromosome 16q13. Genomics, 211-3.
- (4) Imai T, Yoshida T, Baba M, Nishimura M, Kakizaki M, Yoshie O (1996). Molecular cloning of a novel T cell-directed CC chemokine expressed in thymus by signal sequence trap using Epstein-Barr virus vector. Journal Of Biological Chemistry, 21514-21.

Following applications had been tested during development. To make sure the consistency and reliability in the future lots, each lot is tested with antigen ELISA for specificity and potency. Each lot is also tested with SDS-PAGE, to ensure high purity.

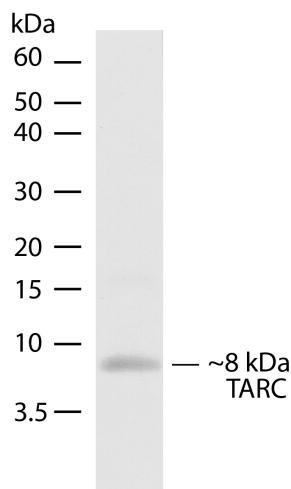
Applications:

	Species	Test Material	Concentration
Western Blotting	Human	Rec TARC	0.5-2 µg/ml

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Western Blot of TARC labeled with TARC Rabbit Recombinant Oligoclonal Antibody (Cat. No. 710008).

TARC Rabbit Recombinant Oligoclonal Antibody (1 µg/ml) was used to label TARC in Rec TARC (5 ng). The western was performed using the WesternBreeze® kit with NBT/BCIP as the substrate (Cat. No. WB7105).

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