



# Anti-Human TARC

20150223ML



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>102-P84</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human TARC (human Thymus and Activation Regulated Chemokine). Anti-human TARC specific antibody was purified by affinity chromatography employing immobilized human TARC matrix.

## Target Background

<b>Synonyms (Target):</b>	CCL17; TARC; ABCD-2; SCYA17; A-152E5.3
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Thymus and activation-regulated chemokine (TARC) is a novel CC chemokine identified using a signal sequence trap method. Among CC chemokine family members, TARC has approximately 24 - 29% amino acid sequence identity with RANTES, MIP-1 alpha, MIP-1 beta, MCP-1, MCP-2, MCP-3 and I-309. TARC is constitutively expressed in thymus, and at a lower level in lung, colon, and small intestine.

### Database References Target

<b>Protein RefSeq:</b>	NP_002978.1
<b>Uniprot ID:</b>	Q92583
<b>mRNA RefSeq:</b>	NM_002987

## Product Specifications

<b>Species reactivity</b>	Human
<b>Clone/Ab feature</b>	Rabbit IgG
<b>Cross reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal Antibody
<b>Purification</b>	Antigen-affinity purified
<b>Immunogen</b>	Recombinant Human TARC
<b>Formulation</b>	lyophilized from PBS
<b>Reconstitution buffer</b>	water

**Reconstitution:** Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

**Stability:** The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

**Neutralization:** To yield one-half maximal inhibition [ND<sub>50</sub>] of the biological activity of human TARC (100.00 ng/ml), a concentration of 20.0 - 30 µg/ml of this antibody is required.

**ELISA:** To detect human TARC by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant human TARC.

**Western Blot:** To detect human TARC by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human TARC is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**