



# Anti-Human Eotaxin-2

20150223ML



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

<b>Cat.-no.:</b>	<b>102-P09G</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** Produced from sera of goats pre-immunized with highly pure (>98%) recombinant human Eotaxin-2. Anti-human Eotaxin 2 specific antibody was purified by affinity chromatography employing immobilized human Eotaxin 2 matrix.

## Target Background

<b>Synonyms (Target):</b>	CCL24; Ckb-6; MPIF2; MPIF-2; SCYA24
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Eotaxin2, also named MPIF-2 and Ckβ6, is a CC chemokine that is designated CCL24. Eotaxin2 cDNA encodes a 10.5 kDa, 119 amino acid residue precursor protein with a 26 aa residue signal peptide that is cleaved to generate a mature protein predicted to contain 93 amino acid residues with an N-glycosylation site. C-terminally truncated variants with 78, 73, 75 and 76 residues have also been described. Eotaxin 2 shares 40%, 42% and 39% amino acid sequence identity with other CC chemokines CCL7/MCP3, CCL3/MIP1α, and CCL11/Eotaxin, respectively. Eotaxin2 mRNA is weakly expressed in activated monocytes and T lymphocytes. Recombinant Eotaxin2 induces chemotaxis of eosinophils, basophils, and resting T lymphocytes, but not monocytes or activated T lymphocytes. Eotaxin2 also suppresses colony formation by high proliferative multipotential hematopoietic progenitors. On eosinophils, the effects of Eotaxin2, Eotaxin and CCL13/MCP4 are mediated by the receptor CCR3.

### Database References Target

<b>Protein RefSeq:</b>	NP_002982.2
<b>Uniprot ID:</b>	O00175
<b>mRNA RefSeq:</b>	NM_002991

## Product Specifications

<b>Species reactivity</b>	Human
<b>Clone/Ab feature</b>	Goat IgG
<b>Cross reactivity</b>	Human
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal Antibody
<b>Purification</b>	Antigen-affinity purified
<b>Immunogen</b>	Recombinant Human Eotaxin-2 (CCL24)
<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 Eotaxin-2 (100 ng/ml), a concentration of 4.0-6.0 µg/ml of this antibody is required.

**Western Blot:** To detect human Eotaxin-2 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 Eotaxin-2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

**ELISA:** To detect human Eotaxin-2 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 Eotaxin-2.

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