

Product datasheet for **AP01125BT-N**

Eotaxin 2 (CCL24) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: Direct: To detect Eotaxin-2 by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml is required. In conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Eotaxin-2. Western Blot: Sandwich: To detect Eotaxin-2 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml is required. In conjunction with Polyclonal Anti-Human Eotaxin-2 as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant Eotaxin-2.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant human Eotaxin-2
Specificity:	This antibody detects Eotaxin-2.
Formulation:	PBS, pH 7.2 Label: Biotin State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Biotin
Storage:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	C-C motif chemokine ligand 24
Database Link:	Entrez Gene 6369 Human O00175



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Background:

Eotaxin 2 is a member of the CC chemokine family, based on the presence of the CC motif and homology with other known CC chemokines. Eotaxin 2 cDNA encodes a 119 amino acid residue precursor protein with a 26 amino acid residue signal peptide that is cleaved to generate a mature protein predicted to contain 93 amino acid residues with an N glycosylation site. Mature human eotaxin 2 has a predicted molecular mass of approximately 10.6 kDa. Compared to other CC chemokines, eotaxin 2 exhibits 40 %, 42 %, and 39 % amino acid identity to MCP3, MIP1 alpha, and eotaxin, respectively. Human CC chemokine eotaxin 2 maps to chromosome 7q11.23.

Both eotaxin and eotaxin 2 activate and attract eosinophils and basophils. A receptor for human eotaxin has been identified and found to be the third numbered receptor in the C-C chemokine subfamily of receptors (CCR3). On eosinophils, the effects of eotaxin 2 is inhibited by an CCR3 antibody and cross-desensitized by eotaxin and MCP4, suggesting that all three CC chemokines act through CCR3. Eotaxin 2 mRNA is weakly expressed in activated monocytes and T lymphocytes. Recombinant eotaxin 2 induces chemotaxis of eosinophils, basophils, and resting T lymphocytes but not monocytes and activated T lymphocytes. Eotaxin 2 inhibits colony formation in myeloid progenitor cells.

Synonyms:

C-C motif chemokine 24, Small-inducible cytokine A24, MPIF2, MPIF-2, SCYA24, CK-beta-6