

Product datasheet for **AP01125PU-N**

Eotaxin 2 (CCL24) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Human Eotaxin-2 (100.0 ng/ml), a concentration of 4.0-6.0 µg/ml is required. Indirect ELISA: To detect Human Eotaxin-2 by Indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human Eotaxin-2. Sandwich ELISA: To detect Human Eotaxin-2 by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml is required. In conjunction with Biotinylated Anti-Human Eotaxin-2 (Cat.-No AP01125BT-N/S) as a Detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human Eotaxin-2. 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.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) E.coli derived recombinant Human Eotaxin-2.
Specificity:	This antibody detects Eotaxin-2.
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Sterile filtered Lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Immunoaffinity Chromatography employing an immobilized Human Eotaxin-2 matrix
Conjugation:	Unconjugated



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Storage:	<p>Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.</p>
Stability:	<p>Shelf life: one year from despatch.</p>
Gene Name:	<p>C-C motif chemokine ligand 24</p>
Database Link:	<p>Entrez Gene 6369 Human O00175</p>
Background:	<p>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.</p> <p>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.</p>
Synonyms:	<p>C-C motif chemokine 24, Small-inducible cytokine A24, MPIF2, MPIF-2, SCYA24, CK-beta-6</p>