

## Eotaxin/CCL11, Human Recombinant

<b>CATALOG #:</b>	4028-20	20 µg
	4028-100	100 µg
	4028-1000	1 mg
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>97% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of Eotaxin	
<b>MOL. WEIGHT:</b>	8.3 kDa	
<b>FORM:</b>	Lyophilized from 20 mM phosphate buffer (pH 7.4) and 150 mM NaCl.	
<b>SPECIFIC ACTIVITY:</b>	>1x10 <sup>5</sup> IU/mg.	

### RECONSTITUTION:

The lyophilized Eotaxin can be reconstituted in water to a concentration of 0.1-1 µg/µl. It is recommended that further dilutions be made into buffer containing carrier protein or medium containing serum.

### STORAGE CONDITIONS:

The lyophilized Eotaxin is best-stored desiccated below 0°C. Reconstituted Eotaxin should be stored at 4°C or in working aliquots at -20°C. For long term storage add 0.1% BSA as a carrier protein

### DESCRIPTION:

Eotaxin is a recently discovered chemokine characterized by its high chemotactic selectivity for eosinophils. The position of the four cystein residues in Eotaxin places it in the C-C family of chemokines, along with chemokines such as RANTES, MCP-3, and MIP-1 alpha. The human Eotaxin is an 8.3 kDa protein containing 74 amino acid residues. The sequence of the first five N-terminal amino acids is Gly-Pro-Ala-Ser-Val.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> of human Eotaxin by chemotaxis based assays is 10 ng/ml using human peripheral blood eosinophils.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

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