

## CCL11 Protein, Rhesus macaque (N-His)

<b>Cat. No.:</b>	HY-P700285
<b>Synonyms:</b>	CCL11; SCYA11Eotaxin; C-C motif chemokine 11; Small-inducible cytokine A11
<b>Species:</b>	Rhesus Macaque
<b>Source:</b>	E. coli
<b>Accession:</b>	Q8MIT7 (G24-P97)
<b>Gene ID:</b>	574218
<b>Molecular Weight:</b>	Approximately 11 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>G P D S V A T T C C      F T L T N K K I P L      Q R L E S Y R R I I      S G K C P Q K A V I</p> <p>F K T K L A K D I C      A D P K K K W V Q D      S M K Y L D R K S P      T P K P</p>
<b>Biological Activity</b>	Measured in a cell proliferation assay using HUVEC cells. The ED <sub>50</sub> for this effect is 2.326 ng/mL, corresponding to a specific activity is 4.30×10 <sup>5</sup> units/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	In response to the presence of allergens, the CCL11 protein plays a direct role in promoting the accumulation of eosinophils, which is a prominent characteristic of allergic inflammatory reactions, while showing no significant effect on lymphocytes, macrophages, or neutrophils. This selective recruitment underscores CCL11's specificity in orchestrating immune responses, particularly in the context of allergic reactions. The protein achieves this effect by binding to CCR3, emphasizing its engagement with specific receptors to regulate the migration and activation of eosinophils in response to allergenic stimuli.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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