Recombinant Rat Eotaxin (CCL11)

Cat No:HR2R2257

For research use only

Overview

Quantity	100 ?g
Gene Symbol	CCL11
Gene ID	29397
Accession	P97545
Alternative Name	C-C motif chemokine 11, Eosinophil chemotactic protein, Small-inducible cytokine A11, Scya11
Species	Rat
Source	E. coli
Description	Eotaxin belongs to the platelet factor-4 family of chemokines. The gene symbol is SCYA11. This factor is referred to also as Eotaxin-1 and has been renamed CCL11. Eotaxin induces substantial accumulation of eosinophils in the skin without significantly affecting the accumulation of neutrophils. Eotaxin is a potent stimulator of both guinea pig and human eosinophils in vitro. The Eotaxin receptor is a G-protein-coupled receptor selectively expressed in human eosinophils.
Functions	Activity was determined by the ability to chemoattract human peripheral blood eosinophils using a concentration range of 0.1-20 ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.