

Recombinant Equine CCL11

Cat. No. CCL11-138E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Equine CCL11 protein was expressed in Yeast and purified by using Ion-exchange chromatography, 9.0 kDa (78 aa).
Species	Equine
Source	Yeast
Description	Chemokine ligand 11 (CCL11) belongs to the CC chemokine family and is commonly known as Eotaxin-1. There are at least 27 distinct members of the C-C subgroup reported for mammals. CC chemokines induce the migration of monocytes and other cell types such as NK cells and dendritic cells. CCL11 (Eotaxin-1) selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses. Endothelial cells, smooth muscle cells, epithelial cells, alveolar macrophages and eosinophils are known to produce CCL11 (Eotaxin).
Form	Lyophilized without carrier protein.
Molecular Mass	Equine CCL11 has a predicted molecular weight of 9.0 kDa.
AA Sequence	AQPVSISTVC CFNVASRKIS FQRLQSYRKI TSSKCPQKAV IFKTKQAKKI CADPKQKWVQ DAMKYLDENS RTTKYSSF
Purity	>95% as visualized by SDS-PAGE analysis.
Applications	The Equine CCL11/Eotaxin-1 protein can be used in cell culture, as an CCL11 ELISA

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Standard, and as a Western Blot Control.

Storage

Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

Reconstitution

Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

GENE INFORMATION

Gene Name

CCL11 chemokine (C-C motif) ligand 11 [*Equus caballus*]

Official Symbol

CCL11

Synonyms

eotaxin; C-C motif chemokine 11; small-inducible cytokine A11

Gene ID

100033949

mRNA Refseq

NM_001081871

Protein Refseq

NP_001075340

UniProt ID

Q9TTQ4

**Chromosome
Location**

chromosome: 11

Pathway

Asthma, organism-specific biosystem; Asthma, conserved biosystem; Chemokine signaling pathway, organism-specific biosystem

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