CCL11 (Human) ELISA Kit

Catalog # KA0334 Size 1 Kit

Specification

Product Description	CCL11 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CCL11.
Suitable Sample	Cell Culture Supernatant, Plasma (Citrate, EDTA), Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	15.6 to 1000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — CCL11

Entrez GeneID	6356
Gene Name	CCL11
Gene Alias	MGC22554, SCYA11

Gene Description	chemokine (C-C motif) ligand 11
Omim ID	600807 601156 609423
Gene Ontology	Hyperlink
Gene Summary	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory pr ocesses. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine e ncoded by this gene displays chemotactic activity for eosinophils, but not mononuclear cells or ne utrophils. This eosinophil specific chemokine assumed to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. [provided by RefSeq
Other Designations	eosinophil chemotactic protein|eotaxin|small inducible cytokine A11|small inducible cytokine subf amily A (Cys-Cys), member 11 (eotaxin)

Publication Reference

- Molecular cloning of human eotaxin, an eosinophil-selective CC chemokine, and identification of a specific eosinophil eotaxin receptor, CC chemokine receptor 3.

  Kitaura M, Nakajima T, Imai T, Harada S, Combadiere C, Tiffany HL, Murphy PM, Yoshie O.

  The Journal of Biological Chemistry 1996 Mar; 271(13):7725.

- Eotaxin is a natural antagonist for CCR2 and an agonist for CCR5.

  Ogilvie P, Bardi G, Clark-Lewis I, Baggiolini M, Uguccioni M.

  Blood 2001 Apr; 97(7):1920.

- Genomic organization, sequence, and transcriptional regulation of the human eotaxin gene.

  Hein H, Schluter C, Kulke R, Christophers E, Schroder JM, Bartels J.

  Biochemical and Biophysical Research Communications 1997 Aug; 237(3):537.

Pathway

- Asthma
- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Arthritis
- Asthma
- Atherosclerosis
- Birth Weight
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Calcinosis
- Cardiovascular Diseases
- Cerebral Infarction
- Chlamydia Infections
- Colitis
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Mellitus
- Disease Progression
- Edema
- Encephalomyelitis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- HIV Infections

- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Intracranial Thrombosis
- Kidney Failure
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Migraine Disorders
- Multiple Sclerosis
- Myocardial Infarction
- Obesity
- Osteoporosis
- Ovarian Neoplasms
- Pulmonary Disease
- Recurrence
- Renal Insufficiency
- Respiratory Syncytial Virus Infections
- Stroke
- Trachoma
- Werner syndrome