

Human Eotaxin ELISA Kit | CCL11 elisa kit

Eotaxin Human ELISA Kit

CATALOG # AAA58999	REACTIVITY Human	APPLICATIONS ELISA
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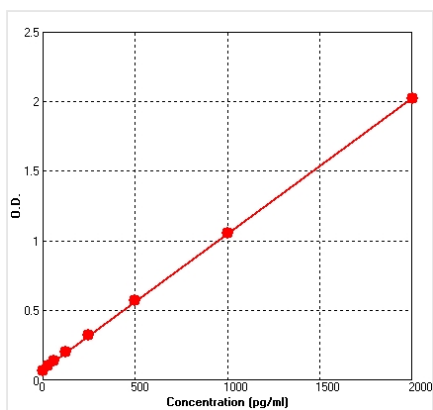
PRODUCT SYNONYMS

Eotaxin; Eotaxin Human ELISA Kit; Human Eotaxin; CCL11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	< 2pg/ml
Applicable Applications for CCL11 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL11 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Eotaxin polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Eotaxin polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Eotaxin amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Eotaxin can be calculated. Background: Eotaxin, also known as Chemokine (C-C motif) ligand 11 (CCL11), is a small cytokine belonging to the CC chemokine family. These family members play an important role in the recruitment of leukocytes to inflammatory lesions. Eotaxin is a potent inducer of eosinophil chemotaxis leading to eosinophil migration in vitro and accumulation in vivo. It also interacts with CCR2 and CCR5 and can thus affect the responses of monocytes, which express both receptors. CCL11 selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses. It has been found that eotaxin has high degree selectivity for its receptor, such that they are inactive on neutrophils and monocytes, which do not express CCR3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506827
NCBI GeneID	6356
NCBI Accession #	NP_002977.1
NCBI GenBank Nucleotide #	NM_002986.2
UniProt Accession #	P51671; P50877; Q92490; Q92491
Molecular Weight	10,732 Da
NCBI Official Full Name	eotaxin
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 11
NCBI Official Symbol	CCL11
NCBI Official Synonym Symbols	SCYA11
NCBI Protein Information	eotaxin; eotaxin-1; eosinophil chemotactic protein; small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin)
UniProt Protein Name	Eotaxin
UniProt Gene Name	CCL11
UniProt Synonym Gene Names	SCYA11
UniProt Entry Name	CCL11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/eotaxin/58999>