

Rat CCL11/Eotaxin PicoKine ELISA Kit | Ccl11 elisa kit

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CATALOG #
AAA46189

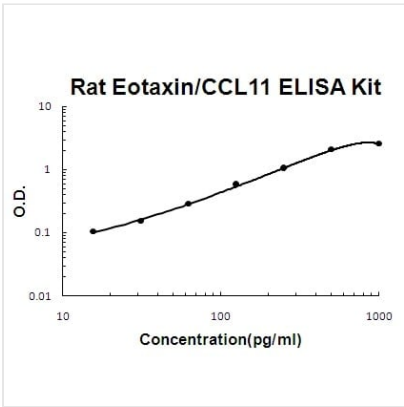
REACTIVITY
Rat

PRODUCT SYNONYMS

CCL11/Eotaxin PicoKine; Rat CCL11/Eotaxin PicoKine ELISA Kit; Eotaxin; C-C motif chemokine 11; CCL 11; CCL11; CCL11_HUMAN; Chemokine (C-C motif) ligand 11; Chemokine C C motif ligand 11; Chemokine CC Motif Ligand 11; Chemokine ligand 11; Eosinophil Chemotactic P; Eosinophil chemotactic protein; Eotaxin 1; SCYA 11; SCYA11; chemokine (C-C motif) ligand 11; Ccl11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat Eotaxin
Sequence Length	97
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of rat Eotaxin in cell culture supernates, serum and plasma(EDTA, citrate).
Immunogen	E Coli, H24-P97
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml rat Eotaxin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernatants, serum or plasma(EDTA, citrate) to each empty well. It is recommended that each rat Eotaxin standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 74.6 267 646 101.4 309 718 Standard deviation 3.80 14.55 36.18 6.49 22.25 56.72 CV(%) 5.1 6.2 5.6 6.4 7.2 7.9
Sample Data	Concentration(pg/ml) 0 15.6 31.2 62.5 125 250 500 1000 O.D. 0.015 0.104 0.151 0.286 0.579 1.050 2.051 2.562
Anticoagulant	EDTA or Citrate
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Rat Eotaxin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Ccl11 elisa kit	Principle of the assay: Rat Eotaxin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Eotaxin has been precoated onto 96-well plates. Standards(Expression system for standard: E Coli, Immunogen sequence: H24-P97) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Eotaxin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 rat Eotaxin amount of sample captured in plate. Background: Eotaxin, also known as CCL11, is a potent inducer of eosinophil chemotaxis and is considered as a selective ligand of the CC chemokine receptor 3 (CCR3), which is expressed on eosinophils, basophils, and Th2 lymphocytes. Eotaxin is assumed to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. The gene maps to chromosome 17 and is expressed constitutively at high levels in small intestine and colon, and at lower levels in various other tissues. The deduced mature protein sequence is 66% identical to human monocyte chemoattractant protein-1, and 60% identical to guinea pig eotaxin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11276089
NCBI GeneID	29397
NCBI Accession #	NP_062078.1
NCBI GenBank Nucleotide #	NM_019205.1
UniProt Accession #	P97545; O08780
Molecular Weight	10,851 Da
NCBI Official Full Name	eotaxin
NCBI Official Synonym Full Names	C-C motif chemokine ligand 11
NCBI Official Symbol	Ccl11
NCBI Official Synonym Symbols	Scya11
NCBI Protein Information	eotaxin
UniProt Protein Name	Eotaxin
UniProt Gene Name	Ccl11

UniProt Synonym Gene Names	Scya11
UniProt Entry Name	CCL11_RAT

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/rat-elisa-kits/ccl11-eotaxin-picokine/46189>