

Rat CCL11 ELISA Kit | CCL11 elisa kit

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CATALOG #
AAA263154

REACTIVITY
Rat

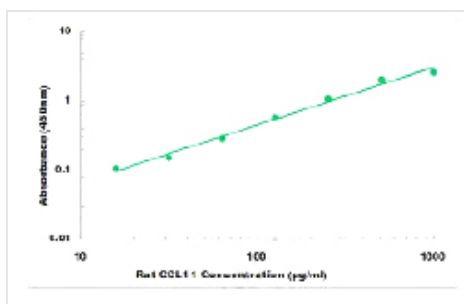
PRODUCT SYNONYMS

CCL11; Rat CCL11 ELISA Kit; SCYA11; Eotaxin; C-C motif chemokine 11; Eosinophil chemotactic protein; Small-inducible cytokine A11; CCL11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CCL11 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CCL11 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	97
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL11 elisa kit

Principle of the Assay: The Rat CCL11 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CCL11 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat CCL11 coated on a 96-well plate. Standards and samples are pipetted into the wells and CCL11 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CCL11 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CCL11 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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.

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/ccl11/263154>