

## ARG81925 Rat Eotaxin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81925-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81925-002	Standard	2 X 10 ng/vial	4°C
ARG81925-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81925-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81925-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81925-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81925-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81925-008	25X Wash buffer	20 ml	4°C
ARG81925-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81925-010	STOP solution	10 ml (Ready to use)	4°C
ARG81925-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81925 Rat Eotaxin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Eotaxin in serum, plasma (EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Eotaxin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.3%; Inter-Assay CV: 5.1%
Alternate Names	SCYA11; C-C motif chemokine 11; Eosinophil chemotactic protein; Eotaxin; Small-inducible cytokine A11

## Application Instructions

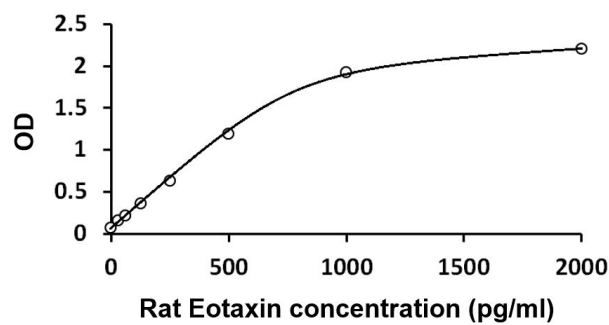
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	CCL11
Gene Full Name	chemokine (C-C motif) ligand 11
Background	This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, displays chemotactic activity for eosinophils, but not mononuclear cells or neutrophils. This eosinophil-specific chemokine is thought to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. [provided by RefSeq, Sep 2014]
Function	In response to the presence of allergens, this protein directly promotes the accumulation of eosinophils, a prominent feature of allergic inflammatory reactions. Binds to CCR3. [UniProt]
Highlight	Related products: <a href="#">Eotaxin antibodies</a> ; <a href="#">Eotaxin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	O-linked glycan consists of a Gal-GalNAc disaccharide which is modified with up to 2 sialic acid residues. [UniProt]



ARG81925 Rat Eotaxin ELISA Kit standard curve image

ARG81925 Rat Eotaxin ELISA Kit results of a typical standard run with optical density reading at 450 nm.