

Rat Eotaxin 1 ELISA Kit | Eotaxin 1 elisa kit

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CATALOG #
AAA82941

REACTIVITY
Rat

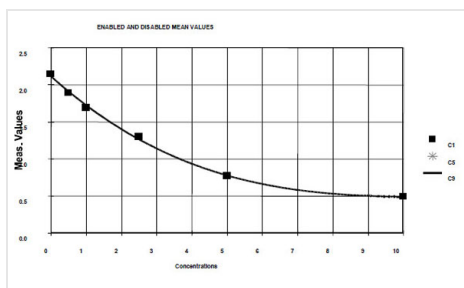
PRODUCT SYNONYMS

Eotaxin 1; Rat Eotaxin 1 ELISA Kit; Eotaxin 1 (Rat); Eotaxin 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Eotaxin 1 elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This EOTAXIN 1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of EOTAXIN 1 in the sample, this EOTAXIN 1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus EOTAXIN 1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of EOTAXIN 1 utilizes a monoclonal anti-EOTAXIN 1 antibody and an EOTAXIN 1-HRP conjugate. The assay sample and buffer are incubated together with EOTAXIN 1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the EOTAXIN 1 concentration since EOTAXIN 1 from samples and EOTAXIN 1-HRP conjugate compete for the anti-EOTAXIN 1 antibody binding site. Since the number of sites is limited, as more sites are occupied by EOTAXIN 1 from the sample, fewer sites are left to bind EOTAXIN 1-HRP conjugate. Standards of known EOTAXIN 1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of EOTAXIN 1. The EOTAXIN 1 concentration in each sample is interpolated from this standard curve.

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.