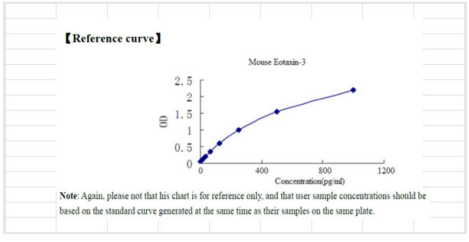
Eotaxin-3 (CCL26) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Eotaxin-3 (CCL26), ELISA Kit
Full Product Name	Mouse Eotaxin-3 ELISA Kit
Product Gene Name	CCL26 elisa kit
Species Reactivity	Mouse
Assay Type	Sandwich
Detection Range	1000 pg/mL-15.6 pg/mL
Sensitivity	Up to 5 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Inter-assay Precision	<= 12%
Intra-assay Precision	<= 8%
Molecular Weight	10,648 Da
OMIM	604697
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CCL26 elisa kit	Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Mouse Eotaxin-3 monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.
Other Notes	Small volumes of CCL26 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CCL26 purchase	MBS268304 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Eotaxin-3 (CCL26) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CCL26. The ELISA analytical biochemical technique of the MBS268304 kit is based on CCL26 antibody-CCL26 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CCL26 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CCL26. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of CCL26 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCL26. It may not necessarily be applicable to this product.

NCBI GI #	4586873
NCBI GeneID	10344
NCBI Accession #	BAA36704.1
UniProt Secondary Accession #	Q52LV8; A0N0Q5
UniProt Related Accession #	Q9Y258
NCBI Official Full Name	eotaxin-3
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 26
NCBI Official Symbol	CCL26
NCBI Official Synonym Symbols	IMAC; TSC-1; MIP-4a; SCYA26; MIP-4alpha
UniProt Protein Name	C-C motif chemokine 26
UniProt Synonym Protein Names	CC chemokine IMAC; Eotaxin-3; Macrophage inflammatory protein 4-alpha; MIP-4-alpha; Small-inducible cytokine A26; Thymic stroma chemokine-1; TSC-1
Protein Family	C-C motif chemokine
UniProt Gene Name	CCL26
UniProt Synonym Gene Names	SCYA26; UNQ216/PRO242; MIP-4-alpha; TSC-1
UniProt Entry Name	CCL26_HUMAN
NCBI Protein Information	C-C motif chemokine 26; eotaxin-3; MIP-4-alpha; chemokine N1; CC chemokine IMAC; thymic stroma chemokine-1; small inducible cytokine A26; small-inducible cytokine A26; macrophage inflammatory protein 4-alpha; small inducible cytokine subfamily A (Cys-Cys), member 26
NCBI Summary for CCL26	This gene is one of two Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 7. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for normal peripheral blood eosinophils and basophils. The product of this gene is one of three related chemokines that specifically activate chemokine receptor CCR3. This chemokine may contribute to the eosinophil accumulation in atopic diseases. [provided by RefSeq, Jul 2008]
UniProt Comments for CCL26	CCL26: Chemotactic for eosinophils and basophils. Binds to CCR3. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted; Motility/polarity/chemotaxis; Chemokine; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7q11.23 Cellular Component: extracellular space Molecular Function: chemokine activity Biological Process: cell-cell signaling; positive regulation of actin filament polymerization; immune response; positive regulation of endothelial cell proliferation; inflammatory response; chemotaxis; signal transduction; positive regulation of cell migration
Research Articles on CCL26	**1.** CCL11, CCL24, and CCL26 are increased in TB patients; hence, it seems that TB suppresses Th1 and the classic function of macrophages subsequently by inducing the chemokines' expression
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