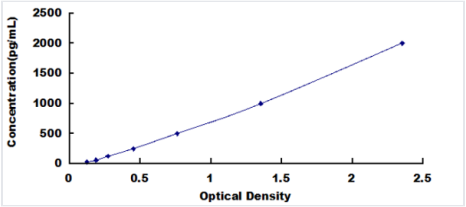
Cutaneous T-Cell Attracting Chemokine (CTACK) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cutaneous T-Cell Attracting Chemokine (CTACK), ELISA Kit
Full Product Name	Human Cutaneous T-Cell Attracting Chemokine (CTACK) ELISA Kit
Product Gene Name	CTACK elisa kit
Product Synonym Names	CCL27; ILC; SCYA27; ALP; Skinkine; ESkine; PESKY; CTAK; Chemokine(C-C-Motif)ligand 27; Small Inducible Cytokine Subfamily A Member 27; IL-11 R-alpha-locus chemokine
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	31.25-2000pg/mL
Sensitivity	10.2pg/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	12,618 Da
OMIM	AB010445 mRNA
3D Structure	ModBase 3D Structure for Q9Y4X3
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CTACK elisa kit	MBS455648 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cutaneous T-Cell Attracting Chemokine (CTACK) 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 CTACK. The ELISA analytical biochemical technique of the MBS455648 kit is based on CTACK antibody-CTACK antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CTACK antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CTACK. 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(%).
Other Notes	Small volumes of CTACK 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.



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

ADDITIONAL DETAILS

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

NCBI GI #	5730035
NCBI GeneID	10850
NCBI Accession #	NP_006655.1
UniProt Primary Accession #	Q9Y4X3
UniProt Related Accession #	Q9Y4X3
GenBank Nucleotide #	NM_006664.3
NCBI Official Full Name	C-C motif chemokine 27
NCBI Official Synonym Full Names	C-C motif chemokine ligand 27
NCBI Official Symbol	CCL27
NCBI Official Synonym Symbols	ALP; ILC; CTAK; CTACK; PESKY; ESKINE; SCYA27
UniProt Protein Name	C-C motif chemokine 27
UniProt Synonym Protein Names	CC chemokine ILC; Cutaneous T-cell-attracting chemokine; CTACK; ESkine; IL-11 R-alpha-locus chemokine; Skinkine; Small-inducible cytokine A27
Protein Family	C-C motif chemokine
UniProt Gene Name	CCL27
UniProt Synonym Gene Names	ILC; SCYA27; CTACK
NCBI Protein Information	C-C motif chemokine 27
NCBI Summary for CTACK	This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The protein encoded by this gene is chemotactic for skin-associated memory T lymphocytes. This cytokine may also play a role in mediating homing of lymphocytes to cutaneous sites. It specifically binds to chemokine receptor 10 (CCR10). Studies of a similar murine protein indicate that these protein-receptor interactions have a pivotal role in T cell-mediated skin inflammation. [provided by RefSeq, Sep 2014]
UniProt Comments for CTACK	Chemotactic factor that attracts skin-associated memory T-lymphocytes. May play a role in mediating homing of lymphocytes to cutaneous sites. Binds to CCR10.
Research Articles on CTACK	**1.** Our data supports previous reports showing IL-17 and -23 upregulation in association with Multiple sclerosis and potentially identify a previously unknown involvement for CCL27.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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