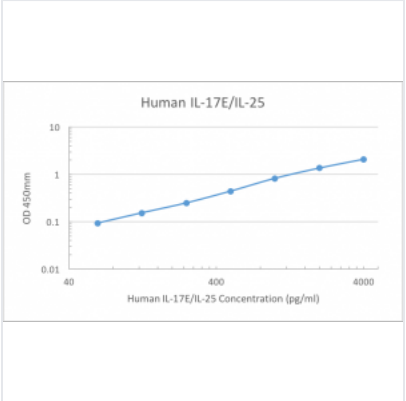
Il-17e/Il-25 ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	IL-17E/IL-25, ELISA Kit
Full Product Name	Human IL-17E/IL-25 Pre-Coated ELISA Kit
Product Gene Name	IL-17E/IL-25 elisa kit
Species Reactivity	Human
Assay Type	Solid Phase Sandwich ELISA: 96-Well Strip Plate
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Specificity	Natural and recombinant Human IL-17E/IL-25
Preparation and Storage	Store the unopened product at 2-8 degree C.
Molecular Weight	20,330 Da
OMIM	605658
3D Structure	ModBase 3D Structure for Q9H293
Components	Anti-Human IL-17E/IL-25 Pre-coated 96-well strip microplate Human IL-17E/IL-25 Standard Human IL-17E/IL-25 Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Sample Diluent Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution Plate Sealers
Interference	No detectable cross-reactivity with other relevant proteins
Related Product Information for IL-17E/IL-25 elisa kit	IL-17E is a disulfide-linked homodimer of two 145 amino acid polypeptide chains. It belongs to the IL-17 family of structurally-related cytokines that share a highly conserved C-terminal region, but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17E stimulates secretion of IL-8, and induces activation of the transcription factor NF-kappaB in cells that express the IL-17BR receptor. Human IL-17E/IL-25 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure IL-17E/IL-25 with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for IL-17E/IL-25. It contains E Coli-expressed recombinant IL-17E/IL-25. The detection antibody is a biotinylated goat polyclonal antibody specific for IL-17E/IL-25. The kit is analytically validated with ready to use reagents.
Other Notes	Small volumes of IL-17E/IL-25 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 IL-17E/IL-25 purchase	MBS697423 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the IL-17E/IL-25, 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 IL-17E/IL-25. The ELISA analytical biochemical technique of the MBS697423 kit is based on IL-17E/IL-25 antibody-IL-17E/IL-25 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IL-17E/IL-25 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IL-17E/IL-25. 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 IL-17E/IL-25 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-17E/IL-25. It may not necessarily be applicable to this product.

NCBI GI #	27477081
NCBI GeneID	64806
NCBI Accession #	NP_758525.1
UniProt Primary Accession #	Q9H293
UniProt Secondary Accession #	Q2M3F0; Q8IZV3; Q8WXB0
UniProt Related Accession #	Q9H293
GenBank Nucleotide #	NM_172314.1
NCBI Official Full Name	interleukin-25 isoform 2
NCBI Official Synonym Full Names	interleukin 25
NCBI Official Symbol	IL25
NCBI Official Synonym Symbols	IL17E
UniProt Protein Name	Interleukin-25
UniProt Synonym Protein Names	Interleukin-17E
UniProt Gene Name	IL25
UniProt Synonym Gene Names	IL17E; IL-25; IL-17E
UniProt Entry Name	IL25_HUMAN
NCBI Protein Information	interleukin-25; interleukin-17E

NCBI Summary for IL-17E/IL-25	The protein encoded by this gene is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. Studies of a similar gene in mice suggest that this cytokine may be a pro-inflammatory cytokine favoring the Th2-type immune response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]
UniProt Comments for IL-17E/IL-25	IL25: Induces activation of NF-kappa-B and stimulates production of the proinflammatory chemokine IL-8. Proinflammatory cytokine favoring Th2-type immune responses. Belongs to the IL-17 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide; Cytokine Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: extracellular space Molecular Function: cytokine activity; interleukin-17E receptor binding Biological Process: response to fungus; inflammatory response to antigenic stimulus; response to nematode; eosinophil differentiation; positive regulation of transcription from RNA polymerase II promoter
Research Articles on IL-17E/IL-25	**1.** Patients with the 'IL-5, IL-17A, IL-25-high' airway inflammatory pattern are often uncontrolled asthmatics, despite daily treatment.
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