

Datasheet for ABIN1043795
anti-IL-25 antibody (Biotin)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	IL-25 (IL25)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-25 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Anti-IL-17E (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with mature full length recombinant human IL-17E produced in E.coli followed by hybridoma development. Immunogen Type: RecombinantProtein
Clone:	11K8B1
Isotype:	IgG1
Specificity:	This product was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human IL-17E protein. A BLAST analysis was used to suggest cross-reactivity with IL-17E from human sources based on 100% homology with the immunizing sequence. Cross-reactivity with IL-17E from other sources has not been determined.
Characteristics:	Anti-IL17E recognizes IL-17E (also known as IL25). IL-17E is produced and secreted by intra-

Product Details

epithelial lymphocytes, lung epithelial cells, alveolar macrophages, eosinophils, basophils, NKT cells, mast cells and cells of the gastro-intestinal tract and uterus. IL-17E stimulates the production of Th2-type cytokines. IL-17E limits Th17 cell development by inducing the expression of IL-13 by dendritic cells or by inhibiting IL-23 production by macrophages. Induces activation of NF-kappa-B and stimulates production of the proinflammatory chemokine IL-8. A number of cytokines, including IL-17E, have been implicated as oncogenes, reflecting the importance of these proteins in cell growth and survival. Anti-IL-17E cytokine antibody is ideal for investigators involved in Immunology, Signal Transduction research, Cancer and pro-inflammatory pathologies.

Purification: purified

Target Details

Target: IL-25 (IL25)

Alternative Name: IL-17E ([IL25 Products](#))

Background: Anti-IL17E recognizes IL-17E (also known as IL25). IL-17E is produced and secreted by intra-epithelial lymphocytes, lung epithelial cells, alveolar macrophages, eosinophils, basophils, NKT cells, mast cells and cells of the gastro-intestinal tract and uterus. IL-17E stimulates the production of Th2-type cytokines. IL-17E limits Th17 cell development by inducing the expression of IL-13 by dendritic cells or by inhibiting IL-23 production by macrophages. Induces activation of NF-kappa-B and stimulates production of the proinflammatory chemokine IL-8. A number of cytokines, including IL-17E, have been implicated as oncogenes, reflecting the importance of these proteins in cell growth and survival. Anti-IL-17E cytokine antibody is ideal for investigators involved in Immunology, Signal Transduction research, Cancer and pro-inflammatory pathologies.

Synonyms: Interleukin 25, IL-25, Interleukin 17E, IL-17E

Gene ID: 64806

NCBI Accession: [NP_073626](#)

UniProt: [Q9H293](#)

Application Details

Application Notes: This purified antibody has been tested for use in Flow Cytometry and western blotting. Specific conditions for reactivity should be optimized by the end user.

Application Details

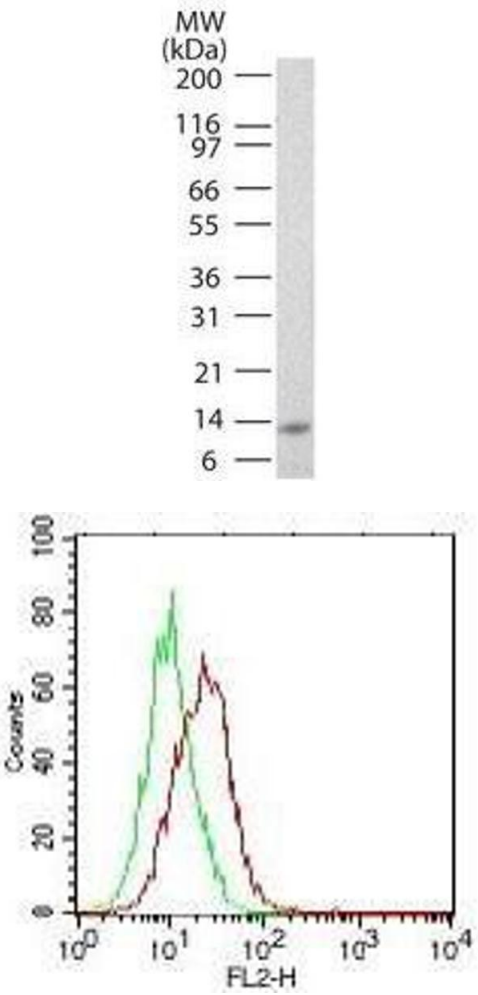
Comment:	Gene Name: IL25
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μ L
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months

Publications

Product cited in:	Sarmiento, Oneto, Pelicci, Pesce, Scipioni, Faretta, Furia, Dellino, Pelicci, Bianchini, Diaspro, Lanzaò: "Exploiting the tunability of stimulated emission depletion microscopy for super-resolution imaging of nuclear structures." in: Nature communications , Vol. 9, Issue 1, pp. 3415, (2018) (PubMed).
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Western Blotting

Image 1. Anti-IL-17E Biotin Conjugated Antibody - Western Blot Western Blot of Mouse anti-IL-17E antibody in full length recombinant protein using IL-17E antibody at 0.5 ug/mL

Image 2. Anti-IL-17E Antibody - Flow Cytometry Cells: PC3 cells Primary antibody: 1 ug of IL-17E (red), control (green) Secondary antibody: anti-mouse IgG PE conjugated secondary antibody