

## Anti-Human IL-17E Biotin Conjugated IL25 Monoclonal Antibody

Catalog Number: B04429

### About IL25

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.

### Overview

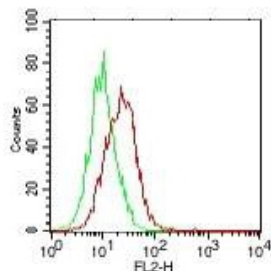
Product Name	Anti-Human IL-17E Biotin Conjugated IL25 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human IL-17E Biotin Conjugated IL25 Monoclonal Antibody (Catalog # B04429). Tested in Flow Cytometry, WB applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, WB
Clonality	Monoclonal Clone: 11K8B1 IgG1
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at 4°C prior to restoration. Restore with 0.1 mL of deionized water (or equivalent). 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. (Ship on dry ice.)
Host	Mouse
Uniprot ID	Q9H293

### Technical Details

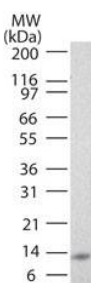
Immunogen	Anti-IL-17E (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with mature full length recombinant human IL-17E produced in E.coli followed by hybridoma development.
Predicted Reactive Species	Bovine, Mammalian
Cross Reactivity	No cross reactivity with other proteins.

Isotype	IgG1
Form	Lyophilized
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	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.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:10,000 - 1:50,000</p> <p>Flow Cytometry: 1µg/mL</p> <p>Fluorochrome Protein Value: 10-20</p> <p>WB: 0.5µg/mL</p>

## Anti-Human IL-17E Biotin Conjugated IL25 Monoclonal Antibody (B04429) Images



Flow cytometry analysis of PC3 cells expressing IL-17E using 1 ug of mouse anti-IL-17E monoclonal antibody (Catalog # B04429) (red line) or control (green line). Anti-mouse IgG PE conjugated secondary antibody was used to detect the primary antibody.



Western blot analysis of IL-17E expression in full length recombinant protein. IL-17E was detected using mouse anti-IL-17E antibody monoclonal antibody (Catalog # B04429) at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1001).

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