

Datasheet for 209-306-C58**IL-17E Biotin Conjugated Antibody****Overview**

Description:	Anti-Human IL-17E (MOUSE) Biotin Conjugated Monoclonal Antibody - 209-306-C58
Item No.:	209-306-C58
Size:	100 µg
Applications:	FC, WB
Reactivity:	Human
Host Species:	Mouse

Product Details

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:	mouse Anti-IL-17E Biotin Conjugated Antibody, mouse anti-IL-25 biotin conjugated antibody, Interleukin 25, IL-25, Interleukin 17E, IL-17E
Host Species:	Mouse
Conjugate:	Biotin
Clonality:	Monoclonal
Clone ID:	11K8B1
Format:	IgG1
F/P Ratio:	10-20

Target Details

Gene Name:	IL25
Reactivity:	Human
Immunogen Type:	Recombinant Protein
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.
Purity/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.
Relevant Links:	• UniProtKB - Q9H293 • GenelD - 64806 • NCBI - NP_073626.1

Application Details

Tested Applications:	FC, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
FC:	1µg/mL
WB:	0.5µg/mL

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

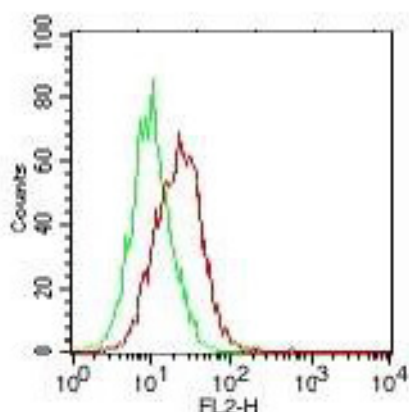
Shipping & Handling

Shipping Condition: Ambient

Storage Condition: 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.

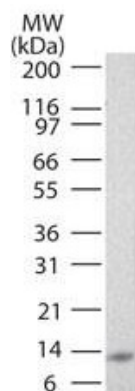
Expiration: Expiration date is one (1) year from date of receipt.

Images



Flow Cytometry

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



Western Blot

Anti-IL-17E Biotin Conjugated Antibody - Western Blot.
 Western Blot of Mouse anti-IL-17E antibody. Load: full length recombinant protein. Primary Antibody: anti-IL-17E antibody (209-301-C58) at 0.5 ug/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.