

**Datasheet for 209-301-C58S****IL-17E Antibody****Overview**

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| <b>Description:</b>  | Anti-Human IL-17E (MOUSE) Monoclonal Antibody - 209-301-C58S |
| <b>Item No.:</b>     | 209-301-C58S                                                 |
| <b>Size:</b>         | 25 µL                                                        |
| <b>Applications:</b> | FC, WB                                                       |
| <b>Reactivity:</b>   | Human                                                        |
| <b>Host Species:</b> | Mouse                                                        |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | 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. |
| <b>Synonyms:</b>     | mouse Anti-IL-17E Antibody, mouse anti-IL-25 antibody, Interleukin 25, IL-25, Interleukin 17E, IL-17E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host Species:</b> | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality:</b>    | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clone ID:</b>     | 11K8B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Format:</b>       | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                    |       |
|--------------------|-------|
| <b>Gene Name:</b>  | IL25  |
| <b>Reactivity:</b> | Human |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen Type:</b>     | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen:</b>          | 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.                                                                                                                                                                                                                                         |
| <b>Purity/Specificity:</b> | Anti-IL-17E 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. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9H293</a></li><li>• <a href="#">NCBI - NP_073626.1</a></li><li>• <a href="#">GeneID - 64806</a></li></ul>                                                                                                                                                                                                                                                             |

## Application Details

|                             |                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | FC, WB                                                                                                                                                  |
| <b>Application Note:</b>    | IL 17E antibody has been tested for use in Flow Cytometry and western blotting. Specific conditions for reactivity should be optimized by the end user. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                         |
| <b>ELISA:</b>               | 1:10,000 - 1:50,000                                                                                                                                     |
| <b>FC:</b>                  | 1µg/mL                                                                                                                                                  |
| <b>WB:</b>                  | 0.5µg/mL                                                                                                                                                |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.0mg/mL by UV absorbance at 280 nm                        |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>     | None                                                       |

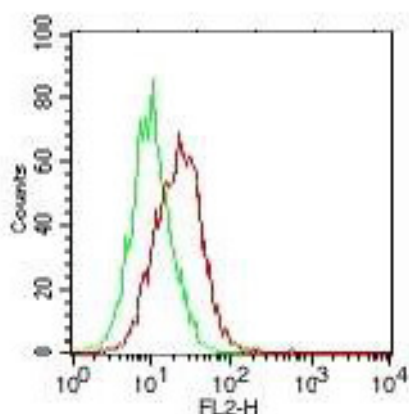
## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | Dry Ice |
|----------------------------|---------|

**Storage Condition:** Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

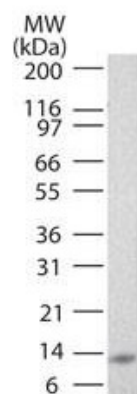
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Flow Cytometry

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

## 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.