

# CXCL13 Monoclonal Antibody (DS8CX13), APC, eBioscience™

## Product Details

|                             |                                                            |
|-----------------------------|------------------------------------------------------------|
| Size                        | 100 µg                                                     |
| Species Reactivity          | Mouse                                                      |
| Published Species           | Mouse                                                      |
| Host/Isotype                | Rat / IgG2a, kappa                                         |
| Recommended Isotype Control | Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™ |
| Class                       | Monoclonal                                                 |
| Type                        | Antibody                                                   |
| Clone                       | DS8CX13                                                    |
| Conjugate                   | APC                                                        |
| Excitation/Emission Max     | 651/660 nm                                                 |
| Immunogen                   | Full length CXCL13                                         |
| Form                        | Liquid                                                     |
| Concentration               | 0.2 mg/mL                                                  |
| Purification                | Affinity chromatography                                    |
| Storage buffer              | PBS, pH 7.2                                                |
| Contains                    | 0.09% sodium azide                                         |
| Storage conditions          | 4° C, store in dark, DO NOT FREEZE!                        |
| RRID                        | AB_2762702                                                 |

| Applications               | Tested Dilution | Publications  |
|----------------------------|-----------------|---------------|
| Immunohistochemistry (IHC) | -               | 1 Publication |
| Flow Cytometry (Flow)      | 0.125 µg/test   | 1 Publication |

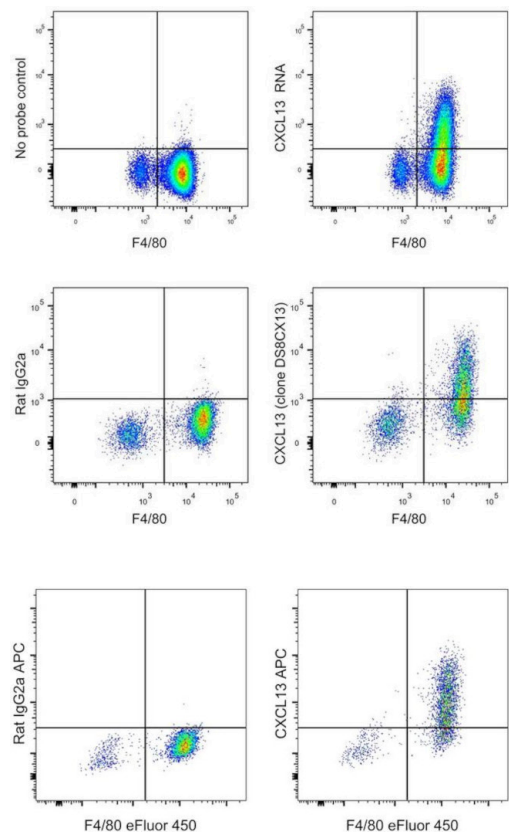
## Product Specific Information

**Description:** This DS8CX13 monoclonal antibody recognizes mouse CXCL13 also known as BCA-1 and Angie.

**Applications Reported:** This DS8CX13 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This DS8CX13 antibody has been tested by flow cytometric analysis of resident peritoneal macrophages. This may be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells /test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser



**CXCL13 Antibody (17-7981-82)**  
Mouse resident peritoneal macrophages were stained to detect CXCL13 RNA (upper panels) or CXCL13 protein (lower panels). As expected based on known relative expression patterns only Large Peritoneal Macrophages express CXCL13 (both RNA and protein) whereas Small Peritoneal Macrophages are CXCL13 negative. Details: Balb/c resident peritoneal cells were stained with CD11b (clone M1/70) and F4/80 (clone BM8). The cells were then either submitted to the PrimeFlow RNA Assay and stained to detect CXCL13 mRNA (upper panels), or fixed and permeabilized using the Intracellular Fixation & Permeabilization Buffer Set, followed by staining with Rat IgG2a kappa Isotype Control or CXCL13 (clone DS8CX13) to detect CXCL13 protein (lower panels). In both cases CD11b positive cells were used for analysis. {RE}

**CXCL13 Antibody (17-7981-82) in Flow**  
BALB/c mouse resident peritoneal macrophages were stained with CD11b Monoclonal Antibody, FITC (Product # 11-0112-82) and F4/80 Monoclonal Antibody, eFluor 450 (Product # 48-4801-82). The cells were then fixed and permeabilized using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol, and stained with 0.06 µg of Rat IgG2a kappa Isotype Control, APC (Product # 17-4321-81) (left) or 0.06 µg of CXCL13 Monoclonal Antibody, APC (right). CD11b positive cells were used for analysis.

2 References

Immunohistochemistry (1)

|                                                                                                                                                                                                               |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Immunity                                                                                                                                                                                                      | Year<br>2020     |
| <b>Stromal Cells Covering Omental Fat-Associated Lymphoid Clusters Trigger Formation of Neutrophil Aggregates to Capture Peritoneal Contaminants.</b>                                                         | Species<br>Mouse |
| "17-7981 was used in Immunohistochemistry-immunofluorescence to show how specialized omental mesothelial cells coordinate the recruitment and aggregation of neutrophils to capture peritoneal contaminants." |                  |
| Authors: Jackson-Jones LH,Smith P,Portman JR,Magalhaes MS,Mylonas KJ,Vermeren MM,Nixon M,Henderson BEP,Dobie R,Vermeren S,Denby L,Henderson NC,Mole DJ,Bénézech C                                             |                  |

Flow Cytometry (1)

|                                                                                                                                       |                  |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Frontiers in immunology                                                                                                               | Year<br>2022     |
| <b>Role of CXCL5 in Regulating Chemotaxis of Innate and Adaptive Leukocytes in Infected Lungs Upon Pulmonary Influenza Infection.</b> | Species<br>Mouse |
| "Published figure using CXCL13 monoclonal antibody (Product # 17-7981-82) in Flow Cytometry"                                          |                  |
| Authors: Guo L,Li N,Yang Z,Li H,Zheng H,Yang J,Chen Y,Zhao X,Mei J,Shi H,Worthen GS,Liu L                                             |                  |

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