

CD357 (AITR/GITR) Monoclonal Antibody (eBioAITR), APC, eBioscience™

| Product Details | |
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| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | eBioAITR |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2573235 |

| Applications | Tested Dilution | Publications |
|---|------------------|----------------|
| Immunohistochemistry (Paraffin) (IHC (P)) | - | 1 Publication |
| Flow Cytometry (Flow) | 5 µL (1 µg)/test | 6 Publications |

Product Specific Information

Description: The monoclonal antibody reacts with human AITR, Activation Inducible TNFR family member, an approximately 25 kDa member of the TNFR superfamily. AITR mRNA is detected in lymph node, peripheral blood leukocytes and weakly in spleen. AITR mRNA expression was upregulated within 24 hour on PMA/ionomycin or PHA stimulated PBMC. At the protein level, AITR is expressed by a small population of activated PBMC. AITR associates with TRAF1, TRAF2 and TRAF3 and induces nuclear factor NF-kappaB activation via TRAF2. Recently TL6 (AITRL) has been reported as the ligand for AITR. Interaction of AITR with AITRL is important for cross-talk between T lymphocytes and endothelial cells.

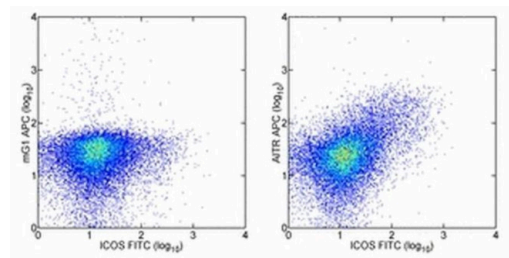
Applications Reported: This eBioAITR antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioAITR antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (1 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 10⁵ to 10⁸ cells /test.

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

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD357 (AITR/GITR) Monoclonal Antibody (eBioAITR), APC, eBioscience™



CD357 (AITR/GITR) Antibody (17-5875-42) in Flow
Staining of 3-day PHA-stimulated normal human peripheral blood cells with Anti-Human CD278 (ICOS) FITC (Product # 11-9948-42), and Mouse IgG1 k Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD357 (AITR) APC (Product # 17-5875-42) (right). Total viable cells were used for analysis.

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7 References

Immunohistochemistry (Paraffin) (1)

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|---|-------------------------|
| <p>The Journal of infectious diseases</p> <p>CD4(+) regulatory T cells in a cynomolgus macaque model of Mycobacterium tuberculosis infection.</p> <p>Authors: Green AM,Mattila JT,Bigbee CL,Bongers KS,Lin PL,Flynn JL</p> | <p>Year</p> <p>2010</p> |
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Flow Cytometry (6)

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| <p>Oncoimmunology</p> <p>Azacytidine prevents experimental xenogeneic graft-versus-host disease without abrogating graft-versus-leukemia effects.</p> <p>"17-5875 was used in Flow cytometry/Cell sorting to investigate the impact of 5-azacytidine on xenogeneic graft-vs.-host disease and graft-vs.-leukaemia effects in a humanised murine model of transplantation."</p> <p>Authors: Ehx G,Fransolet G,de Leval L,D'Hondt S,Lucas S,Hannon M,Delens L,Dubois S,Drion P,Beguyn Y,Humblet-Baron S,Baron F</p> | <p>Year</p> <p>2021</p> <p>Species</p> <p>Human</p> |
|--|---|

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|---|-------------------------|
| <p>PLoS pathogens</p> <p>Follicular Regulatory CD8 T Cells Impair the Germinal Center Response in SIV and Ex Vivo HIV Infection.</p> <p>"Published figure using CD357 (AITR/GITR) monoclonal antibody (Product # 17-5875-42) in Flow Cytometry"</p> <p>Authors: Miles B,Miller SM,Folkvord JM,Levy DN,Rakasz EG,Skinner PJ,Connick E</p> | <p>Year</p> <p>2016</p> |
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