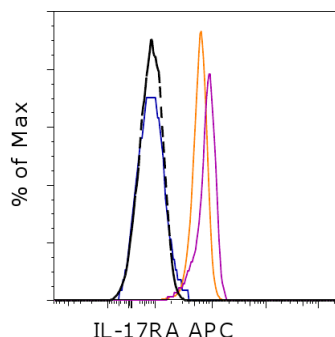
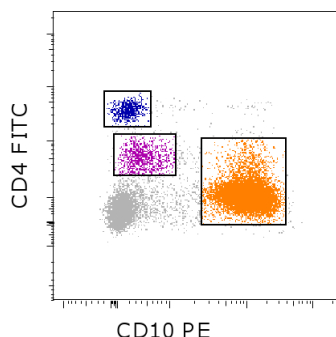


Anti-Human CD217 (IL-17 Receptor A) APC

Catalog Number: 17-7917

Also known as: IL-17RA

RUO: For Research Use Only. Not for use in diagnostic procedures.



Normal human peripheral blood was lysed with 1X RBC Lysis Buffer (cat. 00-4333) and stained with Anti-Human CD4 FITC (cat. 11-0049), Anti-Human CD10 PE (cat. 12-0106) and Anti-Human IL-17 Receptor A APC. CD4(hi) T cells (blue), CD4(intermediate) monocytes (purple), and CD10+ granulocytes (orange) were gated (left) and analyzed for IL-17 Receptor A staining (right). The dotted line represents staining of Mouse IgG1 Isotype Control APC from the CD10+ granulocyte gate.

Product Information

Contents: Anti-Human CD217 (IL-17 Receptor A) APC

Catalog Number: 17-7917

Clone: 424LTS

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Description

The 424LTS monoclonal antibody reacts with and blocks IL-17A binding to human interleukin 17 receptor A (IL-17RA, IL-17R). IL-17RA is a type I membrane protein of approximately 96 kDa (866 amino acids) and is involved in inflammatory responses to IL-17A, IL-17F and IL-17AF heterodimer. It forms heterodimeric complexes with several other members of its receptor family, including IL-17RC for IL-17A and IL-17F signaling and IL-17RC for IL-17E (IL-25) signaling. IL-17RA is ubiquitously expressed, but in leukocytes its expression is elevated on granulocytes and monocytes.

Applications Reported

This 424LTS antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 424LTS antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Gaffen SL. Structure and signalling in the IL-17 receptor family. *Nat Rev Immunol.* 2009 Aug;9(8):556-67.

Toy D, Kugler D, Wolfson M, Vanden Bos T, Gurgel J, Derry J, Tocker J, Peschon J. Cutting edge: interleukin 17 signals through a heteromeric receptor complex. *J Immunol.* 2006 Jul 1;177(1):36-9.

Zhang Z, Zheng M, Bindas J, Schwarzenberger P, Kolls JK. Critical role of IL-17 receptor signaling in acute TNBS-induced colitis. *Inflamm Bowel Dis.* 2006 May;12(5):382-8.

Tan W, Huang W, Zhong Q, Schwarzenberger P. IL-17 receptor knockout mice have enhanced myelotoxicity and impaired hemopoietic recovery following gamma irradiation. *Tan W, Huang W, Zhong Q, Schwarzenberger P. J*

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Immunol. 2006 May 15;176(10):6186-93.

Related Products

00-4333 1X RBC Lysis Buffer

11-0049 Anti-Human CD4 FITC (RPA-T4)

12-0106 Anti-Human CD10 PE (eBioCB-CALLA (CB-CALLA))

12-7517 Anti-Human CD217 (IL-17 Receptor A) PE (J10MBS)

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

51-4040 Anti-Human ACT1 Alexa Fluor® 647 (9ACT12)