

CD217 (IL-17Ra) Monoclonal Antibody (424LTS), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	424LTS
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 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_2573848

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	-

Product Specific Information

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 intracellular staining followed by 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 µL (0.5 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.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

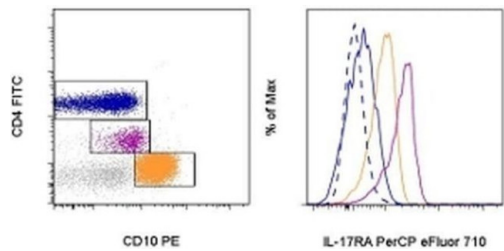
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific

performance should be determined empirically.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD217 (IL-17Ra) Monoclonal Antibody (424LTS), PerCP-eFluor™ 710, eBioscience™



CD217 (IL-17Ra) Antibody (46-7917-42) in Flow
Normal human peripheral blood was stained with Anti-Human CD4 FITC (Product # 11-0049-42), Anti-Human CD10 PE (Product # 12-0106-42) and Anti-Human CD217 (IL-17 Receptor A) PerCP-eFluor® 710. 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 PerCP-eFluor® 710 from all cells.

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