

TCR alpha/beta Monoclonal Antibody (IP26), APC-eFluor™ 780, 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), APC-eFluor™ 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	IP26
Conjugate	APC-eFluor™ 780
Excitation/Emission Max	756/785 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_2811824

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	2 Publications

Product Specific Information

Description: The IP26 monoclonal antibody reacts with the human alpha beta TCR dimer. The alpha beta TCR is expressed by the majority of peripheral T cells.

Applications Reported: This IP26 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This IP26 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (0.25 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.

APC-eFluor 780 emits at 780 nm and is excited with the Red laser (633-647 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

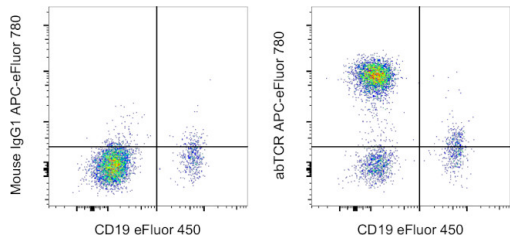
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) 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: 633-647 nm; Emission: 780 nm; Laser: Red Laser.

Product Images For TCR alpha/beta Monoclonal Antibody (IP26), APC-eFluor™ 780, eBioscience™



TCR alpha/beta Antibody (47-9986-42) in Flow
Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, eFluor 450 (Product # 48-0199-42) and Mouse IgG1 kappa Isotype Control, APC-eFluor 780 (Product # 47-4714-82) (left) or TCR alpha/beta Monoclonal Antibody, APC-eFluor 780 (right). Cells in the lymphocyte gate were used for analysis.

2 References

Flow Cytometry (2)

Scientific reports	Year
Multi-level remodelling of chromatin underlying activation of human T cells.	2021
"Published figure using TCR alpha/beta monoclonal antibody (Product # 47-9986-42) in Flow Cytometry"	
Authors: Bediaga NG,Coughlan HD,Johanson TM,Garnham AL,Naselli G,Schröder J,Fearnley LG,Bandala-Sanchez E, Allan RS,Smyth GK,Harrison LC	
Nature medicine	Year
Viable bacterial colonization is highly limited in the human intestine in utero.	2020
"Published figure using TCR alpha/beta monoclonal antibody (Product # 47-9986-42) in Flow Cytometry"	
Authors: Rackaityte E,Halkias J,Fukui EM,Mendoza VF,Hayzelden C,Crawford ED,Fujimura KE,Burt TD,Lynch SV	

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