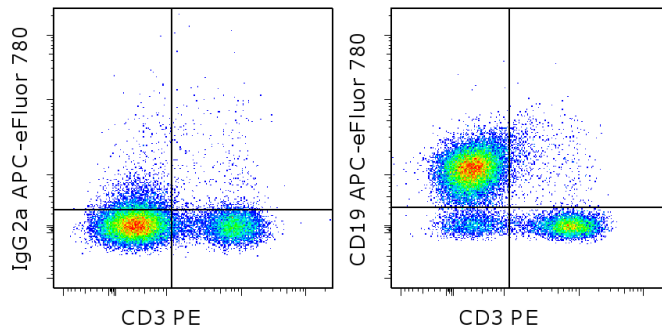


Anti-Mouse CD19 APC-eFluor[®] 780

Catalog Number: 47-0193

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



Staining of BALB/c splenocytes with Anti-Mouse CD3e PE (cat. 12-0031) and 0.06 ug of Anti-Mouse CD19 APC-eFluor[®] 780 (cat. 47-0193) (left) or 0.06 ug of Anti-Mouse CD19 APC-eFluor[®] 780 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD19 APC-eFluor[®] 780

REF **Catalog Number:** 47-0193

Clone: eBio1D3 (1D3)

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, 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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



LOT



Batch Code: Refer to vial

Use By: Refer to vial

Description

The eBio1D3 monoclonal antibody reacts with mouse CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, MHC class II, and CD19 form a multimolecular complex that associates with the BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux and proliferation of B cells.

Applications Reported

This eBio1D3 (1D3) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBio1D3 (1D3) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

Light sensitivity: Tandem is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL 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.

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Related Products

12-0031 Anti-Mouse CD3e PE (145-2C11)

47-4321 Rat IgG2a K Isotype Control APC-eFluor® 780 (eBR2a)

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