

EOMES Monoclonal Antibody (Dan11mag), PE-eFluor 610, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 100 µg |
| Species Reactivity | Mouse |
| Published Species | Mouse, Human |
| Host/Isotype | Rat / IgG2a, kappa |
| Recommended Isotype Control | Rat IgG2a kappa Isotype Control (eBR2a), PE-eFluor 610, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | Dan11mag |
| Conjugate | PE-eFluor® 610 |
| Form | Liquid |
| Concentration | 0.2 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2574614 |

| Applications | Tested Dilution | Publications |
|-----------------------|-----------------|----------------|
| Flow Cytometry (Flow) | 0.5 µg/test | 8 Publications |

Product Specific Information

Description: This Dan11mag antibody recognizes Eomesodermin (EOMES), also known as T-box brain 2 (TBR2). Eomes is a T-box transcription factor that is highly homologous to T-bet, which is essential during trophoblast development and gastrulation in most vertebrates. In the immune system, Eomes controls the differentiation of effector and memory CD8+ T cells, as well as natural killer (NK) cells. Expression of Eomes in these cells correlates with high expression of CD122, the common beta-chain of the IL-2R and IL-15R.

Applications Reported: This Dan11mag antibody has been reported for use in flow cytometric analysis.

Applications Tested: This Dan11mag antibody has been tested by intracellular staining and flow cytometric of mouse splenocytes analysis using Foxp3/Transcription Factor Buffer Staining Set (cat. 00-5523) and protocol. Please see Best Protocols Section (Staining intracellular Antigens for Flow Cytometry) for staining protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins). This can be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

PE-eFluor® 610 can be excited with laser lines from 488-561 nm and emits at 607 nm. We recommend using a 610/20 band pass filter (equivalent to PE-Texas Red®). Please make sure that your instrument is capable of detecting this fluorochrome.

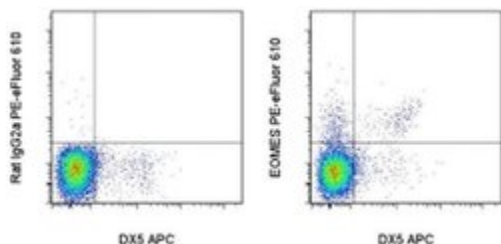
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L of cell sample + 100 μ L 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: 488-561 nm; Emission: 607 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 μ m post-manufacturing filtered.

Product Images For EOMES Monoclonal Antibody (Dan11mag), PE-eFluor 610, eBioscience™



EOMES Antibody (61-4875-82) in Flow

Surface staining of C57Bl/6 splenocytes with Anti-Mouse CD49b (Integrin alpha 2) APC (Product # 17-5971-82) followed by intracellularly staining with 0.25 μ g of Rat IgG2a K Isotype Control PE-eFluor® 610 (Product # 61-4321-82) (left) or 0.25 μ g of Anti-Mouse EOMES PE-eFluor® 610 (right) using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

8 References

Flow Cytometry (8)

Wellcome open research

Conventional NK cells and ILC1 are partially ablated in the livers of Ncr1^{iCre}Tbx21^{fl/fl} mice.

"61-4875 was used in Flow cytometry/Cell sorting to examine the role of Tbet-dependent type I innate lymphoid cells in the murine liver."

Authors: Cuff AO, Male V

Species
Mouse

Dilution
Not Cited

Year
2021

Cell reports. Medicine

Programming Multifaceted Pulmonary T Cell Immunity by Combination Adjuvants.

"61-4875 was used in Flow cytometry/Cell sorting to provide further insights into vaccine-induced multifaceted mucosal T cell immunity with implications in the development of vaccines against respiratory pathogens, including influenza virus and SARS-CoV-2."

Authors: Marinaik CB, Kingstad-Bakke B, Lee W, Hatta M, Sonsalla M, Larsen A, Neldner B, Gasper DJ, Kedl RM, Kawaoka Y, Suresh M

Species
Mouse

Dilution
Not Cited

Year
2020

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More applications with references on thermofisher.com

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