

EOMES Monoclonal Antibody (Dan11mag), PE-Cyanine5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Dan11mag
Conjugate	PE-Cyanine5
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2802207

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	1 Publication

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.

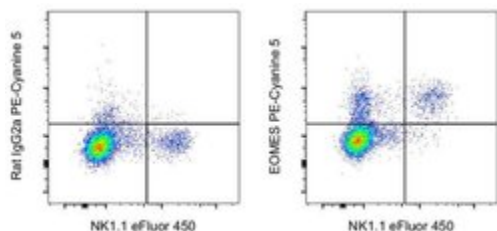
Applications Tested: This DAN11MAG antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

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: 488-561 nm; Emission: 667 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser

Product Images For EOMES Monoclonal Antibody (Dan11mag), PE-Cyanine5, eBioscience™



EOMES Antibody (15-4875-82) in Flow

C57BL/6 splenocytes were stained with NK1.1 Monoclonal Antibody, eFluor 450 (Product # 48-5941-82), followed by intracellular staining with 0.25 µg of Rat IgG2a kappa Isotype Control, PE-Cyanine5 (Product # 15-4321-82) (left) or 0.25 µg of EOMES Monoclonal Antibody, PE-Cyanine5 (right) using Foxp3/Transcription Factor Buffer Staining Set (Product # 00-5523-00). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Nature communications

EOMES interacts with RUNX3 and BRG1 to promote innate memory cell formation through epigenetic reprogramming.

"Published figure using EOMES monoclonal antibody (Product # 15-4875-82) in Flow Cytometry"

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Species

Not Applicable

Dilution

Not Cited

Year

2019

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