

# EOMES Monoclonal Antibody (Dan11mag), PerCP-eFluor 710, 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), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Dan11mag
Conjugate	PerCP-eFluor™ 710
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_10597455

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	11 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 intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This Dan11mag antibody has been tested by intracellular staining and flow cytometric analysis of mouse splenocytes using the Foxp3/Transcription Factor Staining Buffer 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 antibody 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

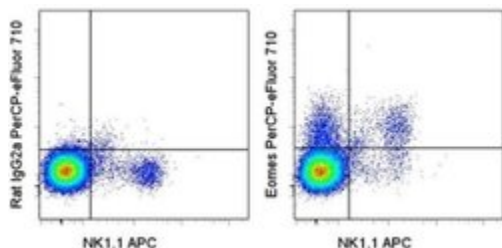
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

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

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For EOMES Monoclonal Antibody (Dan11mag), PerCP-eFluor 710, eBioscience™



### EOMES Antibody (46-4875-82) in Flow

Surface staining of C57BL/6 splenocytes with Anti-Mouse NK1-1 APC (Product # 17-5941-82), followed by intracellular staining with 0.06 µg of Rat IgG2a K Isotype Control PerCP-eFluor® 710 (Product # 46-4321-82) (left) or 0.06 µg of Anti-Mouse EOMES PerCP-eFluor® 710 (right) using Foxp3/Transcription Factor Buffer Staining Set (Product # 00-5523-00). Total viable cells were used for analysis.

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

## 11 References

### Flow Cytometry (11)

#### Cell reports

#### Hhex Directly Represses BIM-Dependent Apoptosis to Promote NK Cell Development and Maintenance.

"46-4875 was used in Flow cytometry/Cell sorting to show homeobox transcriptional regulator Hhex regulates NK cell homeostasis and immunity."

Authors: Goh W, Scheer S, Jackson JT, Hedyeh-Zadeh S, Delconte RB, Schuster IS, Andoniou CE, Rautela J, Degli-Esposti MA, Davis MJ, McCormack MP, Nutt SL, Huntington ND

Species  
Mouse

Dilution  
Not Cited

Year  
2020

#### Cell reports

#### Stage-Specific Requirement for Eomes in Mature NK Cell Homeostasis and Cytotoxicity.

"46-4875 was used in Flow cytometry/Cell sorting to develop a tamoxifen-inducible, type-1-ILC-specific (Ncr1-targeted) cre mouse and combine this with Eomes-floxed mice."

Authors: Wagner JA, Wong P, Schappe T, Berrien-Elliott MM, Cubitt C, Jaeger N, Lee M, Keppel CR, Marin ND, Foltz JA, Marsala L, Neal CC, Sullivan RP, Schneider SE, Keppel MP, Saucier N, Cooper MA, Fehniger TA

Species  
Mouse

Dilution  
Not Cited

Year  
2020

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## More applications with references on thermofisher.com

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