

# EOMES Monoclonal Antibody (Dan11mag), eFluor 450, 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), eFluor 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Dan11mag
Conjugate	eFluor® 450
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_2574062

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	9 Publications
Immunocytochemistry (ICC/IF)	-	5 Publications
Flow Cytometry (Flow)	0.5 µg/test	7 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 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 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 10<sup>5</sup> to 10<sup>8</sup>.

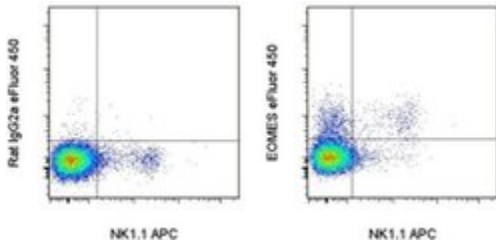
cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For EOMES Monoclonal Antibody (Dan11mag), eFluor 450, eBioscience™



### EOMES Antibody (48-4875-82) in Flow

C57Bl/6 splenocytes were surface stained with Anti-Mouse NK1-1 APC (Product # 17-5941-82) followed by fixation and permeabilization using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Cells were intracellularly stained with 0.25 µg of Rat IgG2a K Isotype Control eFluor® 450 (Product # 48-4321-82) (left) or 0.25 µg of Anti-Mouse EOMES eFluor® 450 (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## 21 References

### Immunohistochemistry (9)

#### Nature communications

#### LPA signaling acts as a cell-extrinsic mechanism to initiate cilia disassembly and promote neurogenesis.

"Published figure using EOMES monoclonal antibody (Product # 48-4875-82) in Immunohistochemistry"

Authors: Hu HB, Song ZQ, Song GP, Li S, Tu HQ, Wu M, Zhang YC, Yuan JF, Li TT, Li PY, Xu YL, Shen XL, Han QY, Li AL, Zhou T, Chun J, Zhang XM, Li HY

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2021

#### Journal of neurodevelopmental disorders

#### Developmental exposure to diesel exhaust upregulates transcription factor expression, decreases hippocampal neurogenesis, and alters cortical lamina organization: relevance to neurodevelopmental disorders.

"Published figure using EOMES monoclonal antibody (Product # 48-4875-82) in Immunohistochemistry"

Authors: Cole TB, Chang YC, Dao K, Daza R, Hevner R, Costa LG

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

[View more IHC references on thermofisher.com](#)

### Immunocytochemistry (5)

#### Nature

#### Centrosome anchoring regulates progenitor properties and cortical formation.

"Published figure using EOMES monoclonal antibody (Product # 48-4875-82) in Immunocytochemistry"

Authors: Shao W, Yang J, He M, Yu XY, Lee CH, Yang Z, Joyner AL, Anderson KV, Zhang J, Tsou MB, Shi H, Shi SH

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

#### Molecular autism

#### Loss of the neurodevelopmental disease-associated gene miR-146a impairs neural progenitor differentiation and causes learning and memory deficits.

"Published figure using EOMES monoclonal antibody (Product # 48-4875-82) in Immunocytochemistry"

Authors: Fregeac J, Moriceau S, Poli A, Nguyen LS, Oury F, Colleaux L

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

[View more ICC/IF references on thermofisher.com](#)

### More applications with references on thermofisher.com

### Flow (7)

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