

EOMES Monoclonal Antibody (Dan11mag), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Dan11mag
Conjugate	PE
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_1603275

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	15 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.

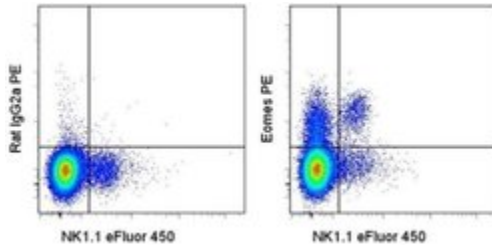
Applications Reported: This Dan11mag antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This Dan11mag antibody has been tested by intracellular 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 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.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



EOMES Antibody (12-4875-82) in Flow

Surface staining of C57BL/6 splenocytes with Anti-Mouse NK1-1 eFluor® 450 (Product # 48-5941-82) followed by intracellular staining with 0.25 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (left) or 0.25 µg of Anti-Mouse EOMES PE (right) using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Total viable cells were used for analysis.

18 References

Immunohistochemistry (2)

Cell reports

Cortical Neural Stem Cell Lineage Progression Is Regulated by Extrinsic Signaling Molecule Sonic Hedgehog.

"12-4875 was used in Immunohistochemistry to demonstrate that GSX2+ cells are tri-potent intermediate progenitor cells (tri-IPCs), giving rise to OB-INs, cortical oligodendrocytes, and astrocytes."

Authors: Zhang Y,Liu G,Guo T,Liang XG,Du H,Yang L,Bhaduri A,Li X,Xu Z,Zhang Z,Li Z,He M,Tsyporin J,Kriegstein AR,Rubenstein JL,Yang Z,Chen B

Species
Mouse

Dilution
Not Cited

Year
2020

Molecular autism

Haploinsufficiency of autism causative gene *Tbr1* impairs olfactory discrimination and neuronal activation of the olfactory system in mice.

"12-4875 was used in Immunohistochemistry-immunofluorescence to investigate the role of TBR1 in regulating olfaction and test whether D-cycloserine can also improve olfactory defects in *Tbr1* mutant mice."

Authors: Huang TN,Yen TL,Qiu LR,Chuang HC,Lerch JP,Hsueh YP

Species
Mouse

Dilution
1:200

Year
2019

Immunocytochemistry (1)

Human molecular genetics

Mitochondrial dysfunction underlies cognitive defects as a result of neural stem cell depletion and impaired neurogenesis.

"12-4875 was used in Immunocytochemistry-immunofluorescence to show that mitochondrial dysfunction impairs brain development, depletes the adult neural stem cell pool and impacts embryonic and adult neurogenesis."

Authors: Khacho M,Clark A,Svoboda DS,MacLaurin JG,Lagace DC,Park DS,Slack RS

Species
Mouse

Dilution
Not Cited

Year
2017

Flow Cytometry (15)

Nature communications

Blockade of the AHR restricts a Treg-macrophage suppressive axis induced by L-Kynurenine.

"12-4875 was used in Flow cytometry/Cell sorting to show that the AHR pathway is selectively active in IDO/TDO-overexpressing tumors and is associated with resistance to immune checkpoint inhibitors."

Authors: Campesato LF,Budhu S,Tchaicha J,Weng CH,Gigoux M,Cohen IJ,Redmond D,Mangarin L,Pourpe S,Liu C,Zappasodi R,Zamarin D,Cavanaugh J,Castro AC,Manfredi MG,McGovern K,Merghoub T,Wolchok JD

Species
Mouse

Dilution
1:200

Year
2020

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

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.