

EOMES Monoclonal Antibody (Dan11mag), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Bat, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	Dan11mag
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_11042577

Applications	Tested Dilution	Publications
Western Blot (WB)	5 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	18 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	8 Publications
Flow Cytometry (Flow)	Assay-Dependent	40 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 immunohistochemistry of formalin-fixed paraffin embedded tissue sections, intracellular staining followed by flow cytometric analysis, and western blotting. (Fluorochrome conjugated Dan11mag is recommended for use in intracellular flow cytometry.)

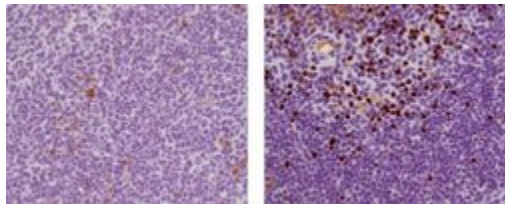
Applications Tested: This Dan11mag antibody has been tested by intracellular staining followed by flow cytometric analysis of mouse splenocytes and/or western blotting at 5 µg/mL. This Dan11mag antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded mouse tissue using low pH antigen retrieval at less than or equal to 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



EOMES Antibody (14-4875-82) in IHC (P)

Immunohistochemistry of formalin-fixed paraffin embedded mouse spleen using 5 µg /mL Anti-Mouse EOMES Purified followed by Anti-Rat IgG Biotin, Streptavidin HRP, and DAB visualization. Nuclei are counterstained with hematoxylin.

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

Western Blot (1)

Science advances

Adult neural stem cells have latent inflammatory potential that is kept suppressed by *Tcf4* to facilitate adult neurogenesis.

"14-4875 was used in Western Blotting to provide evidence for a latent inflammatory potential of adult hippocampal neural progenitors and identify *Tcf4* as a critical regulator that facilitates adult neurogenesis via proactive suppression of this detrimental potential."

Authors: Shariq M,Sahasrabudhe V,Krishna S,Radha S,Bellampalli R,Dwivedi A,Cheramangalam R,Reizis B,Hébert J, Ghosh HS

Species
Mouse

Dilution
Not Cited

Year
2021

Immunohistochemistry (18)

Nature communications

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

"Published figure using EOMES monoclonal antibody (Product # 14-4875-82) 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 # 14-4875-82) 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](#)

Immunohistochemistry (Frozen) (1)

Genesis (New York, N.Y. : 2000)

A dual-fluorescence reporter in the Eomes locus for live imaging and medium-term lineage tracing.

"Published figure using EOMES monoclonal antibody (Product # 14-4875-82) in Immunocytochemistry"

Authors: Probst S,Daza RA,Bader N,Hummel JF,Weiß M,Tanriver Y,Hevner RF,Arnold SJ

Species
Mouse
Not Applicable

Dilution
1:250
Not Cited

Year
2017

More applications with references on thermofisher.com

ICC/IF (8) Flow (40)

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