

# EOMES Monoclonal Antibody (WD1928), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human, Pig
Published Species	Dog, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	WD1928
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573759

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	15 Publications

## Product Specific Information

**Description:** This WD1928 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 WD1928 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This WD1928 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of normal human peripheral blood cells 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 5 µL (0.06 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.

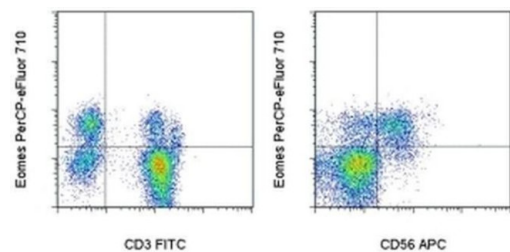
PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) 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 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For EOMES Monoclonal Antibody (WD1928), PerCP-eFluor™ 710, eBioscience™



**EOMES Antibody (46-4877-42) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (Product # 11-0038-42) (left) and Anti-Human CD56 APC (Product # 17-0567-42) (right) followed by fixation and permeabilization using the FcγR/Transcription Factor Buffer Set (Product # 00-5523-00). Cells were then intracellularly stained with Anti-Human Eomes PerCP-eFluor® 710. Cells in the lymphocyte gate were used for analysis.

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15 References

Flow Cytometry (15)

<p>Nature cancer</p> <p><b>A single-cell map of dynamic chromatin landscapes of immune cells in renal cell carcinoma.</b></p> <p>"Published figure using EOMES monoclonal antibody (Product # 46-4877-42) in Flow Cytometry"</p> <p>Authors: Kourtis N,Wang Q,Wang B,Oswald E,Adler C,Cherravuru S,Malahias E,Zhang L,Golubov J,Wei Q,Lemus S,Ni M,Ding Y,Wei Y,Atwal GS,Thurston G,Macdonald LE,Murphy AJ,Dhanik A,Sleeman MA,Tykodi SS,Skokos D</p>	<p>Year</p> <p>2022</p>
<p>Cell reports</p> <p><b>Transcriptional profiling of human V1 T cells reveals a pathogen-driven adaptive differentiation program.</b></p> <p>"Published figure using EOMES monoclonal antibody (Product # 46-4877-42) in Flow Cytometry"</p> <p>Authors: McMurray JL,von Borstel A,Taher TE,Syrimi E,Taylor GS,Sharif M,Rossjohn J,Remmerswaal EBM,Bemelman FJ,Vieira Braga FA,Chen X,Teichmann SA,Mohammed F,Berry AA,Lyke KE,Williamson KC,Stubbington MJT,Davey MS,Willcox CR,Willcox BE</p>	<p>Year</p> <p>2022</p>

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