# EOMES Monoclonal Antibody (WD1928), PE-eFluor™ 610, eBioscience™

| Product Details | |
|---|---|
| Size | 100 Tests |
| Species Reactivity | Human, Pig |
| Published Species | Mammal, Human, Mouse |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-eFluor™ 610, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | WD1928 |
| Conjugate | PE-eFluor™ 610 |
| Excitation/Emission Max | 565/606 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_2574616 |

| Applications | Tested Dilution | Publications |
|---|---|---|
| Flow Cytometry (Flow) | 5 µL (0.125 µg)/test | 24 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 Staining Buffer Set (cat. 00-5523) and protocol. Refer to Best Protocols for Staining Protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins). This can be used at 5 µL (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 10^5 to 10^8 cells/test.

PE-eFluor® 610 can be excited with laser lines from 488-561 nm and emits at 607 nm. We recommend using a 610/20 band pass filter (equivalent to PE-Texas Red®). Please make sure that your instrument is capable of detecting this fluorochome.

Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from

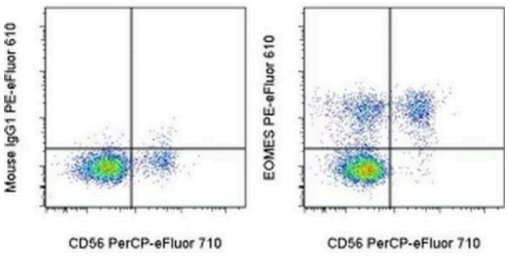
light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of 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: 488-561 nm; Emission: 607 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For EOMES Monoclonal Antibody (WD1928), PE-eFluor™ 610, eBioscience™




**EOMES Antibody (61-4877-42) in Flow**
Normal human peripheral blood cells were surface stained with Anti-Human CD56 (NCAM) PerCP-eFluor® 710 (Product # 46-0567-42), then intracellularly stained with Mouse IgG1 K Isotype Control PE-eFluor® 610 (Product # 61-4714-82) (left) or Anti-Human EOMES PE-eFluor® 610 (right) using the Foxp3 /Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Cells in the lymphocyte gate were used for analysis.

## View more figures on thermofisher.com

## 24 References

### Flow Cytometry (24)

**Frontiers in immunology**

**Comparison of dynamic changes in the peripheral CD8$^+$ T cells function and differentiation in ESCC patients treated with radiotherapy combined with anti-PD-1 antibody or concurrent chemoradiotherapy.**

"61-4877-42 was used in Flow cytometry/Cell sorting to identify the dynamic changes of systematic immune status of patients undergoing treatment. The two treatments had similar activation effects on peripheral CD8+ T cells with different PD-1 properties but had different effects on their differentiation status."

Authors: Wei H,Li Y,Guo Z,Ma X,Li Y,Wei X,Han D,Zhang T,Chen X,Yan C,Zhou J,Pang Q,Wang P,Zhang W

**Year**
2022

**Species**
Human

**Nature cancer**

**A single-cell map of dynamic chromatin landscapes of immune cells in renal cell carcinoma.**

"Published figure using EOMES monoclonal antibody (Product # 61-4877-42) in Flow Cytometry"

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

**Year**
2022

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