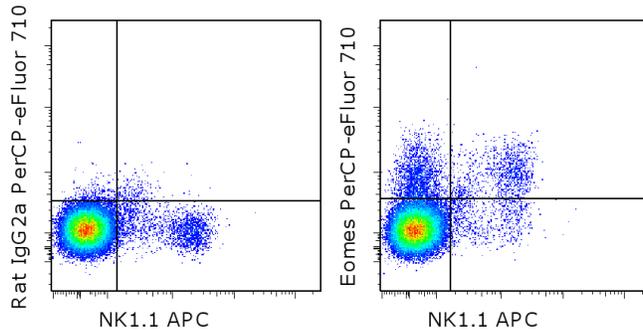


## Anti-Mouse EOMES PerCP-eFluor<sup>®</sup> 710

**Catalog Number:** 46-4875

**Also known as:** Eomesodermin, TBR2

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Surface staining of C57BL/6 splenocytes with Anti-Mouse NK1.1 APC (cat. 17-5941), followed by intracellular staining with 0.06 ug of Rat IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (cat. 46-4321) (left) or 0.06 ug of Anti-Mouse EOMES PerCP-eFluor<sup>®</sup> 710 (right) using Foxp3 Staining Buffers (cat. 00-5523). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse EOMES PerCP-eFluor<sup>®</sup> 710

**REF** **Catalog Number:** 46-4875

**Clone:** Dan11mag

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rat IgG2a, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial



### 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 using the Foxp3 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 antibody can be used at less than or equal to 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<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.

PerCP-eFluor<sup>®</sup> 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor<sup>®</sup> 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor<sup>®</sup> 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor<sup>™</sup> Organic Dyes including PerCP-

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eFluor<sup>®</sup> 710.

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### Related Products

00-5521 Foxp3 Fixation/Permeabilization Concentrate and Diluent

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

17-5941 Anti-Mouse NK1.1 APC (PK136)

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (eBR2a)