

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse EOMES in direct ELISAs.
<b>Source</b>	Monoclonal Rabbit IgG Clone # 1219A
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse EOMES Met1-Ser126 Accession # O54839
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Mouse splenocytes

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

EOMES (Eomesodermin), also TBR2, is a 72 kDa member of the TBR1 subfamily, T-box family of transcription factors. It is expressed in NK and CD8+ T cells, where CTLA4 activation suppresses EOMES activation of IFN-γ and granzyme B genes. It is also found in the embryo, where it occurs in forebrain floorplate and migrating neuroblasts at 12.5 weeks gestation. Notably, it is reported to undergo intercellular transfer in fetal *Xenopus* tissue destined to become mesoderm. Here, it synchronizes a multicellular commitment to a cell lineage. Human EOMES is 686 amino acids (aa) in length. It contains short poly-Ala, -Gly and -Asn motifs, and a DNA-binding T box (aa 276-456). There is one isoform that shows a 19 aa insertion after Ser460. Over aa 471-686, human EOMES shares 91% aa identity with mouse EOMES.

#### PRODUCT SPECIFIC NOTICES

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