Mouse EOMES PE-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1219A
Catalog Number: IC8889P
25 Tests

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse EOMES in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1219A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E. coli*-derived recombinant mouse EOMES Met1-Ser126 Accession # O54839
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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.

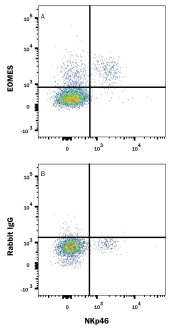
APPLICATIONS

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.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of EOMES in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with Rat Anti-Mouse NKp46/NCR1 APC-conjugated Monoclonal Antibody (Catalog # FAB22252A) and either (A) Rabbit Anti-Mouse EOMES PE-conjugated Monoclonal Antibody (Catalog # IC8889P) or (B) Normal Rabbit IgG Phycoerythrin Control (Catalog # IC105P). To facilitate intracellular staining, cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

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. Mouse EOMES is 707 amino acids (aa) in length. It contains short poly-Ala, -Gly and -Asn motifs, and a DNA-binding T box (aa 278-458). There is one isoform that shows a deletion of aa 463-481. Over aa 1-126, mouse EOMES shares 76% aa sequence identity with human EOMES.

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