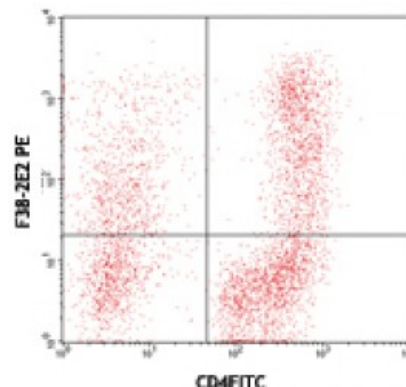


## Purified anti-human CD366 (Tim-3)

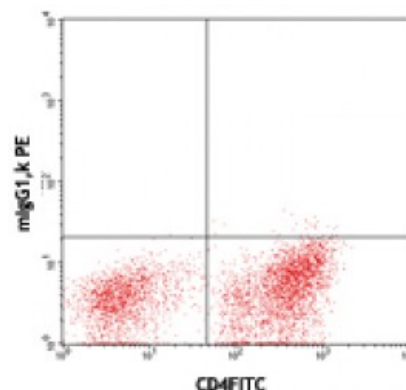
<b>Catalog # / Size:</b>	2325005 / 25 µg 2325010 / 100 µg
<b>Clone:</b>	F38-2E2
<b>Isotype:</b>	Mouse IgG1, κ
<b>Immunogen:</b>	Human Tim-3 fusion protein
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Concentration:</b>	0.5



Th1 polarized human peripheral blood mononuclear cells stained with anti-human CD366 (Tim-3, clone F38-2E2) PE (top) or mouse IgG1,κ isotype control PE and CD4 (RPA-T4) FITC (bottom).

## Applications:

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤2.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application Notes:</b>	Additional reported applications (for relevant formats of this clone) include: costimulation <sup>1</sup> (clone 2E2 has been shown to enhance T-cell receptor mediated activation and cytokine secretion) and blocking <sup>2,3</sup> . The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 345004). For highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 345010) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).



<b>Application References:</b>	1. Hastings WD, <i>et al.</i> 2009. <i>Eur. J. Immunol.</i> 39:2492. (Costim) 2. Jones RB, <i>et al.</i> 2008. <i>J. Exp. Med.</i> 205:2763. (Block) 3. Klibi J, <i>et al.</i> 2009. <i>Blood</i> 113:1957. (FC, Block)
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**Description:** CD366 (Tim-3) is a transmembrane protein also known as T cell immunoglobulin and mucin domain containing protein-3. Tim-3 is expressed at high levels on activated T cells (preferentially on Th1 cells, monocytes/macrophages, and dendritic cells). Tim-3 has also been shown to exist as a soluble protein. Cells expressing Tim-3 are present at high levels in the CNS of animals at the onset of experimental autoimmune encephalomyelitis (EAE), a disease mediated by lymphocytes secreting Th1-like cytokines. Tim-3 has been proposed to inhibit Th1-mediated immune responses and promote immunological tolerance.

**Antigen**  
**References:**

1. Hafler DA and Kuchroo V. 2008. *J. Exp. Med.* 205:2699.
2. Zhu C, *et al.* 2005. *Nat. Immunol.* 6:1245.
3. Wang F, *et al.* 2009. *Immunobiology* 214:342.