

**PE anti-mouse CD366 (Tim-3)**

**Catalog # / Size:** 1198520 / 200 µg  
1198515 / 50 µg

**Clone:** RMT3-23

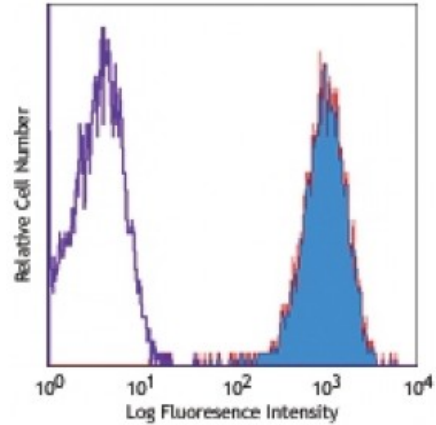
**Isotype:** Rat IgG2a, κ

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2



Mouse Tim-3 transfected cells stained with anti-mouse CD366 (Tim-3, clone RMT3-23) PE.

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** 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 ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for relevant formats) include: *in vitro*<sup>1</sup> and *in vivo*<sup>2</sup> blocking of Tim-3, and immunohistochemical staining of frozen sections<sup>2</sup>. The LEAF™ purified antibody (Endotoxin EU/microg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 119707).

**Application References:** 1. Nakae S, *et al.* 2007. *Blood* 110(7):2565-8. (FC, Block)  
2. Oikawa T, *et al.* 2006. *J. Immunol.* 177(7):4281-7. (FC, Block, IHC)

**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 Th1 lymphocytes and CD11b<sup>+</sup> macrophages. 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. Sabatos CA, *et al.* 2003. *Nat. Immunol.* 4:1102.  
2. Sanchez-Fueyo A, *et al.* 2003. *Nat. Immunol.* 4:1102.  
3. Kuchroo VK, *et al.* 2003. *Nat. Rev. Immunol.* 3:454.  
4. Mooney L, *et al.* <