

**PE anti-mouse CD365 (Tim-1)**

**Catalog # / Size:** 1197525 / 50 µg  
1197530 / 200 µg

**Clone:** RMT1-4

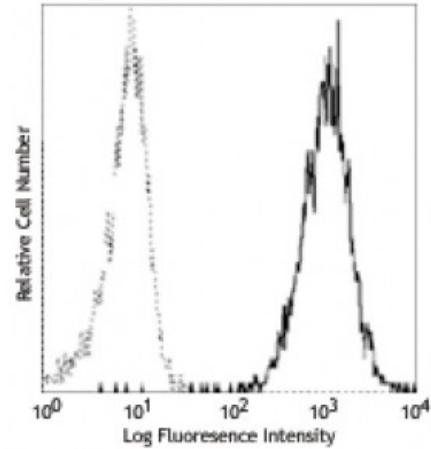
**Isotype:** Rat IgG2b, κ

**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-1 transfected cells stained with anti-mouse CD365 (Tim-1, clone RMT1-4) 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 10<sup>6</sup> cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance in each application.

**Application References:**

1. Meyers JH, *et al.* 2005. *Nat. Immunol.* 6:455.
2. Nakae S, *et al.* 2007. *Blood* doi:10.1182/blood-2006-11-058800.
3. Yamanishi Y, *et al.* 2010. *J. Exp. Med.* 207:1501. (FC)
4. Namavari A, *et al.* 2012. *Invest Ophthalmol Vis Sci.* 53:4575. [PubMed](#).

**Description:** CD365 (Tim-1) is a transmembrane protein also known as T cell immunoglobulin and mucin domain containing protein-1 and hepatitis virus cellular receptor 1. It is developmentally expressed at high levels in the blastocyst. Tim-1 is expressed on activated CD4<sup>+</sup> lymphocytes especially on Th<sub>2</sub> cells and has been implicated to play a critical role in the development of atopic disease and other Th<sub>2</sub>-biased immune responses. Tim-1 is hepatitis A virus receptor in humans. Tim-4 is the endogenous ligand of Tim-1. The interaction of Tim-1 and Tim-4 is involved in costimulation of T cell proliferation. Tim-1 is an endogenous ligand for LMIR5/CD300b.

**Antigen References:**

1. McIntire JJ, *et al.* 2001. *Nature Immunol.* 2:1109.
2. Kuchroo VK, *et al.* 2003. *Nat. Rev. Immunol.* 3:454.
3. Wills-Karp M, *et al.* 2001. *Nat. Rev. Immunol.* 1:69.
4. Meyers JH, *et*