

**Alexa Fluor® 647 anti-mouse CD366 (Tim-3)**

**Catalog # / Size:** 1270030 / 100 µg  
1270025 / 25 µg

**Clone:** B8.2C12

**Isotype:** Rat IgG1, κ

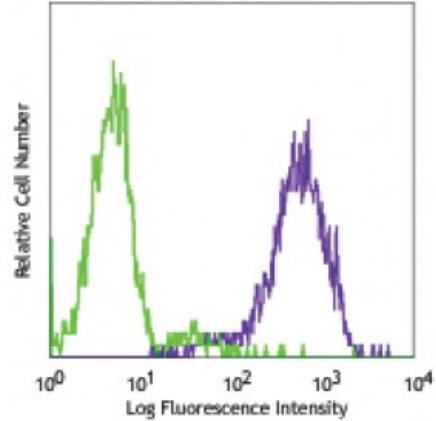
**Immunogen:** mTim-3 protein/Freund adjuvant

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

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

**Concentration:** 0.5



Mouse CD366 (Tim-3) transfected cells stained with anti-mouse CD366 (Tim-3, clone B8.2C12) Alexa Fluor® 647

**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.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

**Application Notes:** Clone B8.2C12 only binds to the BALB/c allele of Tim-3.

**Application References:** 1. del Rio ML, *et al.* 2011. *Transpl. Int.* 24:501. (FC) [PubMed](#)

**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. Kuchroo VK, *et al.* 2003. *Nat. Rev. Immunol.* 3:454
3. Mooney L, *et al.* 2002. *Nature.* 415:536
4. Rodriguez-Manzanet R, *et al.*