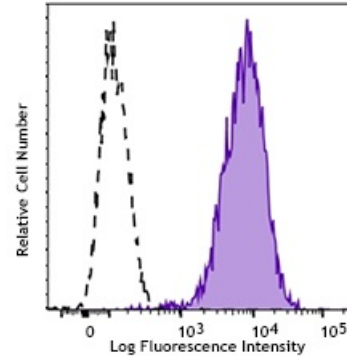


**Brilliant Violet 421™ anti-mouse CD366 (Tim-3)**

**Catalog # / Size:** 1270095 / 50 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 Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.



**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).  
**Concentration:** 0.2 mg/ml

Mouse CD366 (Tim-3) transfected cells were stained with anti-mouse CD366 (Tim-3, clone B8.2C12) Brilliant Violet 421™ (filled histogram) or rat IgG1, κ Brilliant Violet 421™ (open histogram).

**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 ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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**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.* 2009. *Immunol. Rev.* 229(1):259