SONY

Product Data Sheet

Brilliant Violet 711™ anti-mouse CD366 (Tim-3)

Catalog # / Size: 1270105 / 50 µg

Clone: B8.2C12

Isotype: Rat IgG1, κ

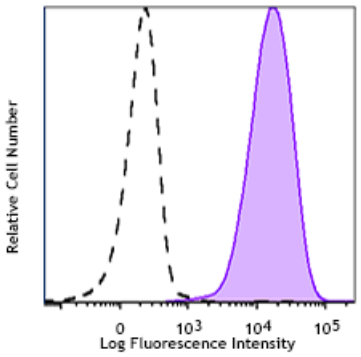
Immunogen: mTim-3 protein/Freund adjuvant

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 711™ under optimal conditions.

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™ 711 (filled histogram) or rat IgG1, κ Brilliant Violet™ 711 (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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 711™ excites at 405 nm and emits at 711 nm. The bandpass filter 710/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 711™ is a trademark of Sirigen Group Ltd.

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 $CD11b^+$ 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.

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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