SONY

Product Data Sheet

Brilliant Violet 605™ anti-mouse CD366 (Tim-3)

Catalog # / Size: 1198605 / 50 µg

Clone: RMT3-23

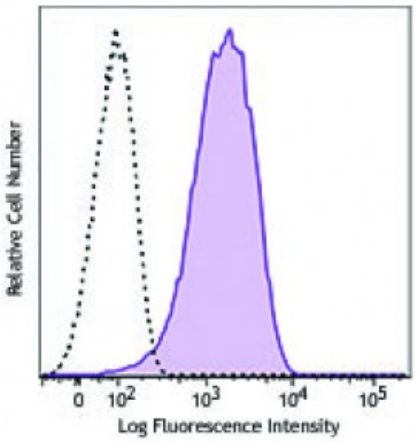
Isotype: Rat IgG2a, κ

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 605™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 605™ and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Concentration: Lot-specific



Mouse Tim-3 transfected cells were stained with anti-mouse CD366 (Tim-3, clone RMT3-23) Brilliant Violet 605™ (filled histogram) or rat IgG2a, κ Brilliant Violet 605™ isotype control (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 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 605™ excites at 405 nm and emits at 603 nm. The bandpass filter 610/20 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 605™ is a trademark of Sirigen Group Ltd.

Application Notes: Additional reported applications (for relevant formats) include: *in vitro*1 and *in vivo*2 blocking of Tim-3, and immunohistochemical staining of frozen sections2. 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 $CD11b^+$ 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.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com

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.<*