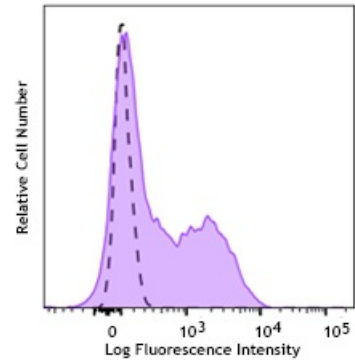
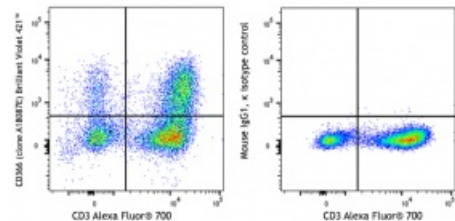


Brilliant Violet 421™ anti-human CD366 (Tim-3)**Catalog # /** 2424040 / 100 tests**Size:** 2424035 / 25 tests**Clone:** A18087E**Isotype:** Mouse IgG1, κ **Immunogen:** Recombinant human Tim-3**Reactivity:** Human**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions.**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)**Workshop Number:** V B-CD73.3**Concentration:** Lot-specific

PHA-stimulated (3 days) human peripheral blood lymphocytes were stained with anti-human CD366 (Tim-3) (clone A18087E) Brilliant Violet 421™ (filled histogram) or mouse IgG1, κ Brilliant Violet 421™ isotype control (open histogram).

Applications:**Applications:** Flow Cytometry

PHA-stimulated human peripheral blood lymphocytes were stained with anti-human CD3 Alexa Fluor® 700 and anti-human CD366 (Tim-3) (clone A18087E) Brilliant Violet 421™ (left) or mouse IgG1, κ Brilliant Violet 421™ isotype control (right).

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 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. 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: Additional reported applications (for the relevant formats) include: immunofluorescence³.

Clone AD2 has been noted to induce clustering and internalization of CD73 *in vivo* and inhibit metastasis in a murine breast cancer xenograft model⁴.

Application References:

1. Nakamura T, *et al.* 1993. *J. Immunol.* 151:6933.
2. Liao J, *et al.* 2011. *J Endod.* 37:1217. [PubMed](#)
3. Touboul C, *et al.* 2013. *J. Transl. Med.* 11:28. (IF)
4. Terp MG, *et al.* 2013. *J Immunol.* 191: 4165-73 (Block)

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 activated T cells (preferentially on Th1 cells, monocytes/macrophages, and dendritic cells). 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. Hafler DA and Kuchroo V. 2008. *J Exp Med.* 205:2699.
2. Zhu C, *et al.* 2005. *Nat Immunol.* 6:1245.
3. Wang F, *et al.* 2009. *Immunobiology.* 214:342.