SONY

Product Data Sheet

APC anti-mouse CD366 (Tim-3)

Catalog # / Size: 1198530 / 100 µg
1198525 / 25 µg

Clone: RMT3-23

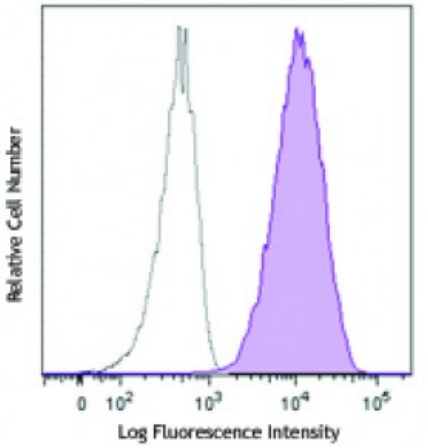
Isotype: Rat IgG2a, κ

Reactivity: Mouse

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

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

Concentration: 0.2



Mouse Tim-3 transfected cells were stained with anti-mouse CD366 (Tim-3, clone RMT3-23) APC (filled histogram) or rat IgG2a, κ APC 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 ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

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.

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.<*