

PE/Fire™ 744 anti-human CD366 (Tim-3) Antibody

Catalog# / Size	364809 / 25 tests 364810 / 100 tests
Clone	A18087E
Regulatory Status	RUO
Other Names	T cell immunoglobulin and mucin domain containing protein 3, hepatitis virus cellular receptor 2, CD366
Isotype	Mouse IgG1, κ
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.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant human Tim-3
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Fire™ 744 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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. True-Stain Monocyte Blocker™ (Cat No. 426102) is recommended to minimize non-specific staining of PE/Fire™ 744 on monocytes and macrophages. * PE/Fire™ 744 has a maximum excitation of 565 nm and a maximum emission of 744 nm.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_3683389 (BioLegend Cat. No. 364809) AB_3683389 (BioLegend Cat. No. 364810)

Antigen Details

Structure	Transmembrane protein containing immunoglobulin domain and mucin-like domain; can exist as a soluble form lacking mucin and transmembrane domains
------------------	---

Distribution	Activated T cells, preferentially on Th1 cells, monocytes, dendritic cells
Function	CD366 plays a role in regulating macrophage activation, checkpoint inhibitor, T cell apoptosis and immune tolerance
Ligand/Receptor	Galectin-9 and PtdSer
Molecular Family	CD Molecules, Immune Checkpoint Receptors
Antigen References	<ol style="list-style-type: none"> 1. Hafler DA and Kuchroo V. 2008. <i>J Exp Med.</i> 205:2699. 2. Zhu C, et al. 2005. <i>Nat Immunol.</i> 6:1245. 3. Wang F, et al. 2009. <i>Immunobiology.</i> 214:342.
Gene ID	84868

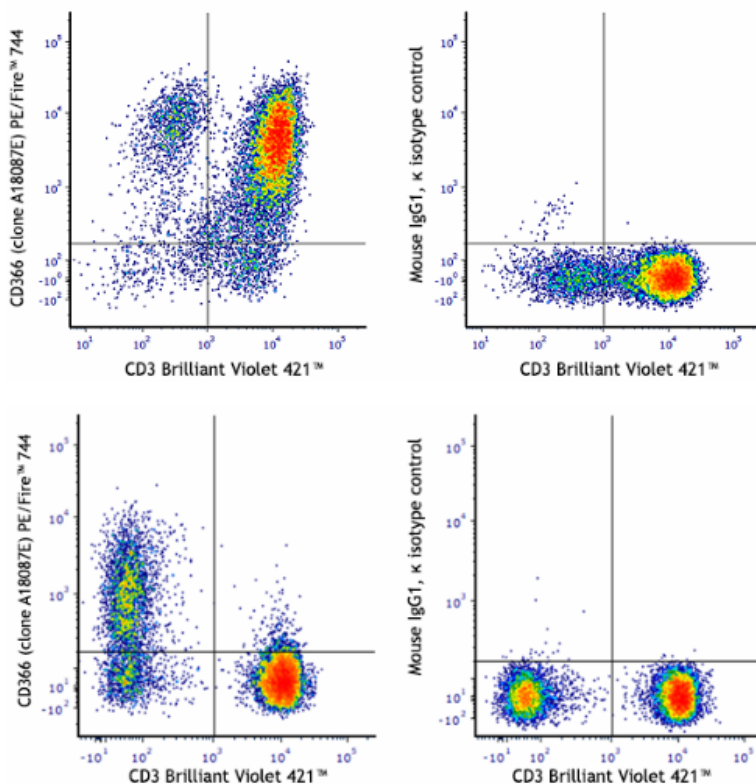
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD366 (Tim-3), APC anti-human CD366 (Tim-3), PE anti-human CD366 (Tim-3), Brilliant Violet 421™ anti-human CD366 (Tim-3), PE/Fire™ 744 anti-human CD366 (Tim-3), APC/Cyanine7 anti-human CD366 (Tim-3) Antibody, Spark PLUS B550™ anti-human CD366 (Tim-3), KIRAVIA Blue 520™ anti-human CD366 (Tim-3) Antibody, Spark Red™ 718 anti-human CD366 (Tim-3), PE/Cyanine7 anti-human CD366 (Tim-3), Spark YG™ 581 anti-human CD366 (Tim-3) (Flexi-Fluor™), Spark YG™ 593 anti-human CD366 (Tim-3) (Flexi-Fluor™) Antibody, Spark NIR™ 685 anti-human CD366 (Tim-3) (Flexi-Fluor™) Antibody, StarBright UltraViolet 740 anti-human CD366 (Tim-3)

Product Data



PHA-stimulated (3 days) human peripheral blood mononuclear cells were stained with anti-human CD3 (clone UCHT1) Brilliant Violet 421™ and anti-human CD366 (Tim-3) (clone A18087E) PE/Fire™ 744 (left) or mouse IgG1, κ PE/Fire™ 744 isotype control (right). Data shown is gated on the lymphocyte population.

Human peripheral blood lymphocytes were stained with anti-human CD3 (clone UCHT1) Brilliant Violet 421™ and anti-human CD366 (Tim-3) (clone A18087E) PE/Fire™ 744 (left) or mouse IgG1, κ PE/Fire™ 744 isotype control (right).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend.

Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587