

Spark PLUS B550™ anti-human CD366 (Tim-3) Antibody

Catalog# / Size	364813 / 25 tests 364814 / 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 Spark PLUS B550™ 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. * Spark PLUS B550™ has a maximum excitation of 516 nm and a maximum emission of 540 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3675085 (BioLegend Cat. No. 364813) AB_3675085 (BioLegend Cat. No. 364814)

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, <i>et al.</i> 2005. <i>Nat Immunol.</i> 6:1245. 3. Wang F, <i>et al.</i> 2009. <i>Immunobiology.</i> 214:342.
Gene ID	84868

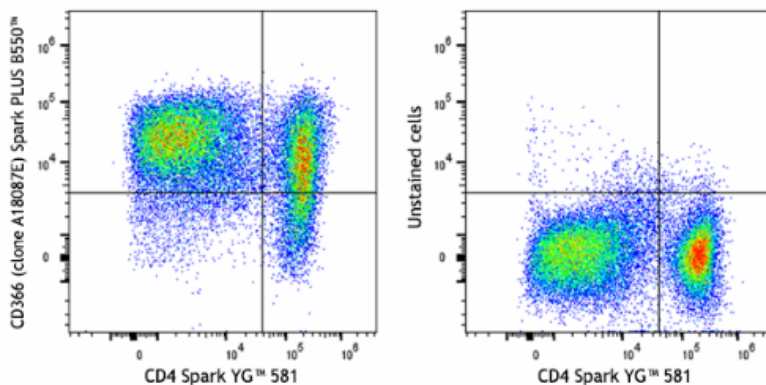
Related Protocols

- [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 lymphocytes were stained with anti-human CD4 (clone SK3) Spark YG™ 581 and anti-human CD366 (Tim-3) (clone A18087E) Spark PLUS B550™ (left) or stained with anti-human CD4 (clone SK3) Spark YG™ 581 only (right).

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