

## GolnVivo™ Purified anti-human CD366 (Tim-3) Antibody

<b>Catalog# / Size</b>	345038 / 5 mg 345039 / 25 mg 345040 / 50 mg 345035 / 100 mg 345036 / 500 mg 345037 / 1 g
<b>Clone</b>	F38-2E2
<b>Regulatory Status</b>	RUO
<b>Workshop</b>	HCDM listed
<b>Other Names</b>	T cell immunoglobulin and mucin domain containing protein 3, hepatitis virus cellular receptor 2, CD366
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	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

<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Human Tim-3 fusion protein
<b>Formulation</b>	0.2 μm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <1.0 EU/mg of the protein. (<0.1 pg/μg of the protein) as determined by the LAL test.
<b>Preparation</b>	The GolnVivo™ antibody was purified by affinity chromatography.
<b>Concentration</b>	The antibody is bottled at the concentration indicated on the vial, typically between 2 mg/mL and 3 mg/mL.
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. This GolnVivo™ solution contains no preservative; handle under aseptic conditions.
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">Costim, Block - Reported in the literature, not verified in house</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤1.0 μg per million cells in 100 μl volume or 100 μl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.  <b>For <i>in vivo</i> and <i>in vitro</i> applications, we recommend to perform a pilot experiment to determine the optimal concentration to use for each particular experiment.</b>
<b>Application Notes</b>	GolnVivo™ products are guaranteed to be pathogen-free based on the IDEXX BioResearch IMPACT test via PCR. For a full listing of pathogens tested, visit the <a href="#">GolnVivo™ Webpage</a> .  Additional reported applications (for relevant formats of this clone) include: costimulation <sup>1</sup> (clone 2E2 has been shown to enhance T-cell receptor mediated activation and cytokine secretion) and blocking <sup>2,3</sup> .
<b>Application References</b>	

- (PubMed link indicates BioLegend citation)**
1. Hastings WD, *et al.* 2009. *Eur. J. Immunol.* 39:2492. (Costim)
  2. Jones RB, *et al.* 2008. *J. Exp. Med.* 205:2763. (Block)
  3. Klibi J, *et al.* 2009. *Blood* 113:1957. (FC, Block)

#### Product Citations

1. Wagner J *et al.* 2019. *Cell.* 177(5):1330-1345 . [PubMed](#)
2. Meng Q, *et al.* 2021. *J Immunother Cancer.* 9:. [PubMed](#)

#### RRID

AB\_2566293 (BioLegend Cat. No. 345038)  
AB\_2566294 (BioLegend Cat. No. 345039)  
AB\_2566295 (BioLegend Cat. No. 345040)  
AB\_2566086 (BioLegend Cat. No. 345035)  
AB\_2566087 (BioLegend Cat. No. 345036)  
AB\_2566088 (BioLegend Cat. No. 345037)

## Antigen Details

---

<b>Structure</b>	Transmembrane protein containing immunoglobulin domain and mucin-like domain; can exist as a soluble form lacking mucin and transmembrane domains
<b>Distribution</b>	Activated T cells, preferentially on Th1 cells, monocytes, dendritic cells
<b>Function</b>	Plays a role in regulating macrophage activation, T cell apoptosis and immune tolerance
<b>Ligand/Receptor</b>	Galectin-9
<b>Cell Type</b>	Dendritic cells, Monocytes, T cells, Th1, Tregs
<b>Biology Area</b>	Immunology, Inhibitory Molecules
<b>Molecular Family</b>	CD Molecules, Immune Checkpoint Receptors
<b>Antigen References</b>	<ol style="list-style-type: none"><li>1. Hafler DA and Kuchroo V. 2008. <i>J. Exp. Med.</i> 205:2699.</li><li>2. Zhu C, <i>et al.</i> 2005. <i>Nat. Immunol.</i> 6:1245.</li><li>3. Wang F, <i>et al.</i> 2009. <i>Immunobiology</i> 214:342.</li></ol>
<b>Gene ID</b>	<a href="#">84868</a>

## Related Protocols

---

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

---

Purified anti-human CD366 (Tim-3), PE anti-human CD366 (Tim-3), Brilliant Violet 421™ anti-human CD366 (Tim-3), Ultra-LEAF™ Purified anti-human CD366 (Tim-3), APC anti-human CD366 (Tim-3), PE/Cyanine7 anti-human CD366 (Tim-3), PerCP/Cyanine5.5 anti-human CD366 (Tim-3), Brilliant Violet 605™ anti-human CD366 (Tim-3), FITC anti-human CD366 (Tim-3), Purified anti-human CD366 (Tim-3) (Maxpar® Ready), Brilliant Violet 711™ anti-human CD366 (Tim-3), APC/Cyanine7 anti-human CD366 (Tim-3), Brilliant Violet 785™ anti-human CD366 (Tim-3), Brilliant Violet 650™ anti-human CD366 (Tim-3), Brilliant Violet 510™ anti-human CD366 (Tim-3), PE/Dazzle™ 594 anti-human CD366 (Tim-3), GolnVivo™ Purified anti-human CD366 (Tim-3), APC/Fire™ 750 anti-human CD366 (Tim-3), Pacific Blue™ anti-human CD366 (Tim-3), Biotin anti-human CD366 (Tim-3), TotalSeq™-A0169 anti-human CD366 (Tim-3), TotalSeq™-C0169 anti-human CD366 (Tim-3), PE/Cyanine5 anti-human CD366 (Tim-3), TotalSeq™-B0169 anti-human CD366 (Tim-3), Brilliant Violet 750™ anti-human CD366 (Tim-3) Antibody, TotalSeq™-D0169 anti-human CD366 (Tim-3), PE/Fire™ 810 anti-human CD366 (Tim-3), PE/Fire™ 640 anti-human CD366 (Tim-3)

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic,

therapeutic or commercial use.

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