Biotin anti-human CD366 (Tim-3)

Catalog # / Size:	2325230 / 100 µg	
Clone:	F38-2E2	CD3M6 (clone F3+222) Biolin
lsotype:	Mouse IgG1, к	
Immunogen:	Human Tim-3 fusion protein	
Reactivity:	Human	
Preparation:	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.	
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.	PHA-stin periphen were sta biotinyla (Tim-3, o biotinyla
Workshop Number:	HCDM listed	
Concentration:	0.5 mg/ml	



PHA-stimulated (3 days) human peripheral blood lymphocytes were stained with CD4 APC and biotinylated anti-human CD366 (Tim-3, clone F38-2E2, left) or biotinylated mouse lgG1, κ isotype control (right), followed by streptavidin-PE.

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 $\leq 0.25 \ \mu g$ per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Additional reported applications (for relevant formats of this clone) include: costimulation ¹ (clone 2E2 has been shown to enhance T-cell receptor mediated activation and cytokine secretion) and blocking ^{2,3} .
Application References:	 Hafler DA and Kuchroo V. 2008. J. Exp. Med. 205:2699. Zhu C, et al. 2005. Nat. Immunol. 6:1245. Wang F, et al. 2009. Immunobiology 214:342.
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:	 Hafler DA and Kuchroo V. 2008. J. Exp. Med. 205:2699. Zhu C, et al. 2005. Nat. Immunol. 6:1245. Wang F, et al. 2009. Immunobiology 214:342.

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