

Purified anti-human CD366 (Tim-3) Recombinant Antibody

Catalog# / Size	312302 / 100 µg
Clone	QA17A33
Regulatory Status	RUO
Other Names	T cell immunoglobulin and mucin domain containing protein 3, 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	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
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 ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
RRID	AB_2892379 (BioLegend Cat. No. 312302)

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	Plays a role in regulating macrophage activation, T cell apoptosis and immune tolerance
Ligand/Receptor	Galectin-9
Cell Type	Dendritic cells, Macrophages, Th1
Biology Area	Immunology, Inhibitory Molecules
Molecular Family	CD Molecules, Immune Checkpoint Receptors
Antigen References	1. Das M, Zhu C, Kuchroo VK. 2017. <i>Immunol Rev.</i> 276(1):97-111. 2. Dixon KO, Das M, Kuchroo VK. 2018. <i>Nat Genet.</i> 0(12):1640-1641.

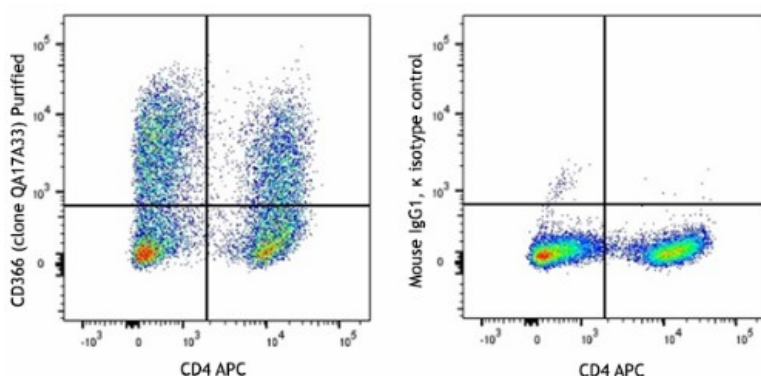
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

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Product Data



PHA-stimulated (3 days) human peripheral blood lymphocytes were stained with anti-human CD4 APC and purified anti-human CD366 (Tim-3) recombinant (clone QA17A33) (left) or purified anti-mouse IgG, κ isotype control (right), followed by goat anti-mouse IgG PE.

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