

Pacific Blue™ anti-human VISTA (PD-1H) Antibody

Catalog# / Size	378115 / 25 tests 378116 / 100 tests
Clone	A17002B
Regulatory Status	RUO
Other Names	V-Set Immunoregulatory Receptor (VSIR), B7H5, GI24, B7-H5, Dies1, PD-1H, SISP1, VISTA, PP2135, C10orf54, DD1alpha
Isotype	Mouse IgG2b, κ
Description	VISTA (V-domain Ig suppressor of T cell activation), also known as PD-1H, is a type I transmembrane protein with a single extracellular IgV domain. VISTA is expressed by a subset of T cells, macrophages, dendritic cells, neutrophils, and NK cells. It was reported that in certain tumor environment, there is low-pH dependent interaction between VISTA and PSGL1. However, the physiological binding partner for VISTA and the mechanism of its action are not clearly understood. VISTA is considered as a checkpoint regulator and a promising target for cancer immunotherapy.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant human VISTA protein
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 Pacific Blue™ 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. * Pacific Blue™ has a maximum emission of 455 nm when it is excited at 405 nm. Prior to using Pacific Blue™ conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome. Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation. View full statement regarding label licenses
Excitation Laser	Violet Laser (405 nm)
RRID	AB_3720487 (BioLegend Cat. No. 378115) AB_3720487 (BioLegend Cat. No. 378116)

Antigen Details

Structure	Ig V-domain like
Distribution	Hematopoietic cells, monocytes, macrophages, dendritic cell, granulocytes, subsets of T cells
Function	Suppressing T cell activation
Cell Type	Dendritic cells, Granulocytes, Lymphocytes, Macrophages, Monocytes, T cells
Biology Area	Immunology, Inhibitory Molecules
Antigen References	1. Wang Li, <i>et al.</i> 2011. <i>J Exp Med.</i> 208:577-92. 2. Nowak EC, <i>et al.</i> 2017. <i>Immunol Rev.</i> 276:66-79. 3. Flies DB, <i>et al.</i> 2014. <i>J Clin Invest.</i> 124:1966-75.
Gene ID	64115

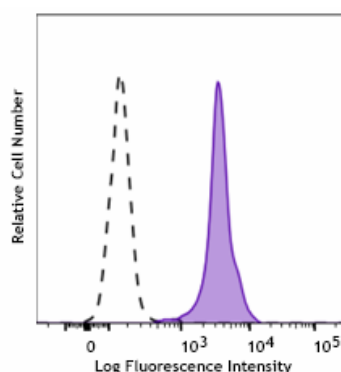
Related Protocols

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

Other Formats

Purified anti-human VISTA (PD-1H), TotalSeq™-A1457 anti-human VISTA (PD-1H), Pacific Blue™ anti-human VISTA (PD-1H) Antibody, APC/Cyanine7 anti-human VISTA (PD-1H) Antibody, APC/Fire™ 750 anti-human VISTA (PD-1H) Antibody, FITC anti-human VISTA (PD-1H) Antibody, TotalSeq™-B1457 anti-human VISTA (PD-1H), TotalSeq™-C1457 anti-human VISTA (PD-1H), APC anti-human VISTA (PD-1H) Antibody, PE anti-human VISTA (PD-1H) Antibody

Product Data



Human peripheral blood monocytes were stained with anti-human VISTA (PD-1H) (clone A17002B) Pacific Blue™ (filled histogram) or mouse IgG2b, κ Pacific Blue™ isotype control (open histogram).

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