

## APC/Cyanine7 anti-human VISTA (PD-1H) Antibody

<b>Catalog# / Size</b>	378109 / 25 tests 378110 / 100 tests
<b>Clone</b>	A17002B
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	V-Set Immunoregulatory Receptor (VSIR), B7H5, GI24, B7-H5, Dies1, PD-1H, SISP1, VISTA, PP2135, C10orf54, DD1alpha
<b>Isotype</b>	Mouse IgG2b, $\kappa$
<b>Description</b>	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

---

<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Recombinant human VISTA protein
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</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 5 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>RRID</b>	AB_3699020 (BioLegend Cat. No. 378109) AB_3699020 (BioLegend Cat. No. 378110)

### Antigen Details

---

<b>Structure</b>	Ig V-domain like
<b>Distribution</b>	Hematopoietic cells, monocytes, macrophages, dendritic cell, granulocytes, subsets of T cells
<b>Function</b>	Suppressing T cell activation

**Cell Type** Dendritic cells, Granulocytes, Lymphocytes, Macrophages, Monocytes, T cells

**Biology Area** Immunology, Inhibitory Molecules

**Antigen References**

1. Wang Li, *et al.* 2011. *J Exp Med.* 208:577-92.
2. Nowak EC, *et al.* 2017. *Immunol Rev.* 276:66-79.
3. Flies DB, *et al.* 2014. *J Clin Invest.* 124:1966-75.

**Gene ID** [64115](#)

## Related Protocols

---

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

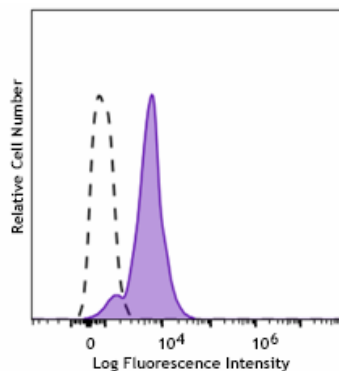
## Other Formats

---

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

## Product Data

---



Human peripheral blood monocytes were stained with anti-human VISTA (PD-1H) (clone A17002B) APC/Cyanine7 (filled histogram) or mouse IgG2b, κ APC/Cyanine7 isotype control (open histogram).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at [www.biolegend.com/terms](http://www.biolegend.com/terms) ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

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