PE/Cyanine 5 Anti-Mouse VISTA Antibody[MIH63]

Catalog Number: AN00875G

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

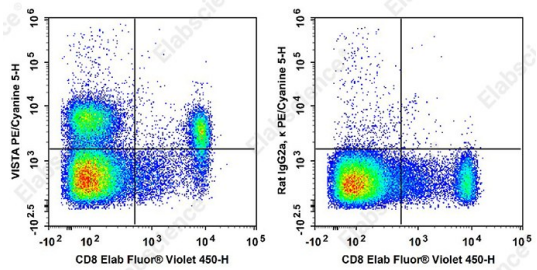
Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a
Clone No.	MIH63
Isotype Control	PE/Cyanine5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832G]
Conjugation	PE/Cyanine 5
Conjugation Information	PE/Cyanine 5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications — Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of C57BL/6 murine splenocytes with Elab Fluor® Violet 450 Anti-Mouse CD8a Antibody[53-6.7] and PE/Cyanine 5 Anti-Mouse VISTA Antibody[MIH63](left) or PE/Cyanine 5 Rat IgG2a, κ Isotype Control (right). Total viable cells were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	PD-1 homolog;Dies1;B7-H5
Uniprot ID	Q9D659

Gene ID	74048
Background	PD-1H, also known as VISTA, is a 309 aa type I transmembrane protein that is composed of seven exons. PD-1H has one Ig-V like domain, and its sequence is similar to the Ig-V domains of the members of CD28 and B7 families. PD-1H is expressed by a subset of T cells, macrophages, dendritic cells, neutrophils, and natural killer cells (NK). It has been proposed that PD-1H can be useful to modulate the host immune response to allogeneic transplants due to its ability to preferentially suppress CD4+ T cell-mediated immunity.

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