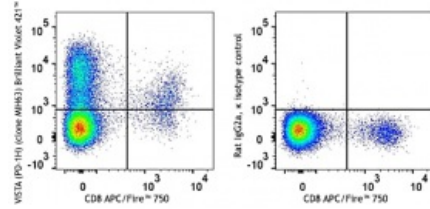


Brilliant Violet 421™ anti-mouse VISTA (PD-1H)

Catalog # / Size: 1351060 / 25 µg
Clone: MIH63
Isotype: Rat IgG2a, κ
Immunogen: Mouse VISTA transfected J558 cells.
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration: 0.2 mg/ml



C57BL/6 mouse splenocytes were stained with CD8 APC/Fire™ 750 and PD-1H (clone MIH63) Brilliant Violet 421™ (left) or rat IgG2a, κ Brilliant Violet 421™ isotype control (right).

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 ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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Application References:
 1. Flies DB, *et al.* 2011. *J. Immunol.* 187:1537.
 2. Wang Li, *et al.* 2011. *J. Exp. Med.* 208:577.
 3. Flies DB, *et al.* 2014. *J. Clin. Invest.* 124:1966.

Description: 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.

Antigen 1. Flies DB, *et al.* 2011. *J. Immunol.* 187:1537.

- References:**
2. Wang Li, *et al.* 2011. *J. Exp. Med.* 208:577.
 3. Flies DB, *et al.* 2014. *J. Clin. Invest.* 124:1966.