SONY

Alexa Fluor® 488 anti-mouse PD-1H (VISTA)

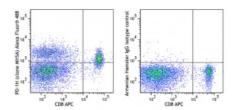|	
Catalog # / Size:	1318595 / 25 µg
	1318600 / 100 µg
Clone:	MH5A
Isotype:	Hamster IgG
Immunogen:	PD-1H- IgG Fc fusion protein
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 488.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5 mg/ml

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 ≤ 1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

C57BL/6 mouse splenocytes were stained with CD8a APC and PD-1H (clone MH5A) Alexa Fluor® 488(left) or Armenian Hamster IgG Alexa Fluor® 488 isotype control (right).

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

Application Notes: Additional reported applications (for the relevant formats) include: inhibition of graft vs host disease (GVHD), Western blotting, and immunohistochemical staining of paraffin embedded tissue sections.

Application References:
1. Flies DB, *et al.* 2011. *J. Immunol.* 187:1537.
2. Wang Li, *et al.* 2011. *J. Exp Med.* 208:577.

Description: PD-1H, also known as VISTA, is a 309 aa type I transmembrane protein, 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 NK cells. It has been proposed that PD-1H can be useful to modulate the host immune response to allogeneic transplants.

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

References: 2. Wang Li, *et al.* 2011. *J. Exp Med.* 208:577.