

Product Data Sheet

PE anti-mouse CD270 (HVEM)

Catalog # / Size: 136303 / 25 µg
136304 / 100 µg

Clone: HMMHV-1B18

Isotype: Armenian hamster IgG

Immunogen: Mouse HVEM-hlgG1Fc fusion protein

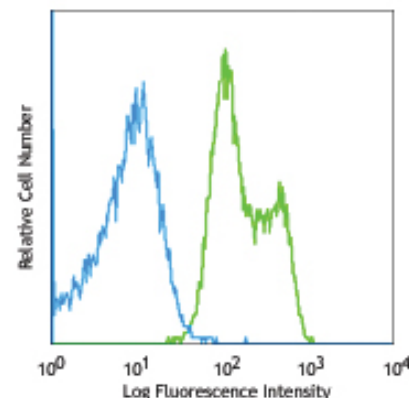
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 splenocytes stained with HMMHV-1B18 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10^6 cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: Herpes Virus Entry Mediator (HVEM, TR2) is a type I transmembrane protein of TNF-receptor superfamily. This receptor was identified as a cellular mediator of herpes simplex virus (HAS) entry. Binding of HSV viral envelope glycoprotein D to this receptor has been shown to be part of the viral entry mechanism. It is expressed on most cell types, including T cells, B cells, monocytes, neutrophils, and dendritic cells. It is also found in brain, heart, kidney, liver, and other organs. The ligands of HVEM are LIGHT, BTLA, LT α , and CD160. HVEM activates NF- κ B through the TNF-related cytokine LIGHT to serve as a costimulatory pathway during T cell activation. HVEM also functions as a ligand for the Ig superfamily members B and T lymphocyte attenuator (BTLA) and CD160 to deliver a coinhibitory signal and limit inflammatory responses initiated by T cells. HVEM plays an important role in regulating lymphocyte activation and homeostasis in immune responses.

- Antigen References:**
1. Fan Z, *et al.* 2006. *Blood* 107:1342
 2. Granger SW, *et al.* 2008. *Stem Cells*. 27:653
 3. Kwon BS, *et al.* 1997. *J. Biol. Chem.* 272:13471
 4. Gonzalez LC, *et al.* 2005. *Proc. Nat. Acad. Sci. U. S. A.* 102:1116
 5. Montgomery RI, *et al.* 1996. *Cell*. 87:427
 6. Cheung TC, *et al.* 2009. *Proc. Nat. Acad. Sci. U. S. A.* 106:6244
 7. Cai G, *et al.* 2009. *Immunol. Rev.* 229:244

Related Products:	Product	Clone	Application
	PE Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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