

PerCP/Cy5.5 anti-human CD336 (NKp44)

Catalog # / Size: 2225570 / 100 tests
2225565 / 25 tests

Clone: P44-8

Isotype: Mouse IgG1, κ

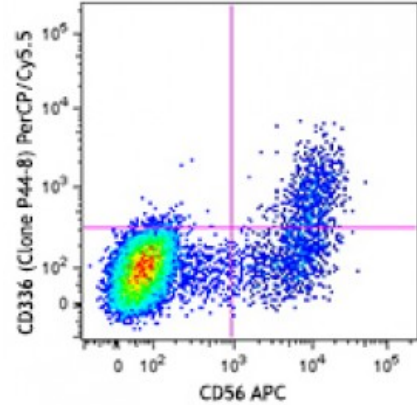
Immunogen: recombinant human NKp44

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood lymphocytes were stimulated with recombinant human IL-2 for 7 days, then stained with CD56 APC and CD336 (clone P44-8) PerCP/Cy5.5 (top) or mouse IgG1, κ PerCP/Cy5.5 isotype control (bottom).

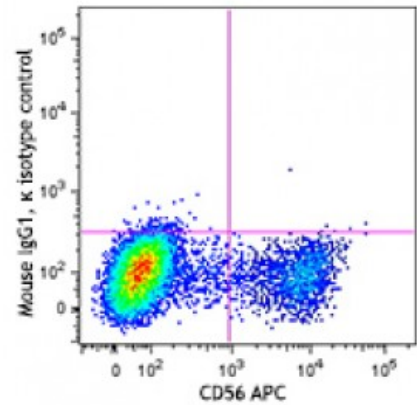
Applications:

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 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: The p44-8 antibody against human NKp44 has been shown to be useful for flow cytometry, stimulation of human NK cells via NKp44 in a redirected lysis assay, and blocking of NKp44 function in solution. Additional reported applications (for the relevant formats) include: stimulation of human NK cells via NKp44 in a redirected lysis assay, and blocking of NKp44 function in solution^{1,2}. The LEAF™ purified antibody (Endotoxin <0.1 EU/μg, Azide-Free, 0.2 μm filtered) is recommended for functional assays (Cat. No. 325104).



- Application** 1. Sommaggio R, *et al.* 2012. *J. Immunol.* 188:2075. (Block)
- References:** 2. Hoechst B, *et al.* 2009. *Hepatology* 50:799. (Block) [PubMed](#)
3. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) [PubMed](#)
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Description: CD336 is also known as activating NK receptor NKp44 (NKp44), natural cytotoxicity triggering receptor 2, and lymphocyte antigen 95 homolog. It is a type I transmembrane protein, member of the natural cytotoxicity receptor family that contains one immunoglobulin-like domain. NKp44 has an apparent molecular weight of 44 kD and three isoforms are produced by alternative splicing. NKp44 is expressed on IL-2 activated NK cells and a subset of γ/δ T cells. NKp44 enhances NK cell mediated cytolysis of virus infected cells and tumor cells. NKp44 has been shown to associate with the intracellular adaptor DAP12.

- Antigen** 1. Cantoni C, *et al.* 1999. *J. Exp. Med.* 189:787.
- References:** 2. Allcock RJN, *et al.* 2003. *Eur. J. Immunol.* 33:567.
3. Cantoni C, *et al.* 2003. *Structure* 11:725.