

Purified anti-human CD336 (NKp44)

Catalog # / Size:	2225510 / 100 µg 2225505 / 25 µg
Clone:	P44-8
Isotype:	Mouse IgG1, κ
Immunogen:	recombinant human NKp44
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5

Applications:

Applications:	Other
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 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
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 References:	1. Sommaggio R, <i>et al.</i> 2012. <i>J. Immunol.</i> 188:2075. (Block) 2. Hoechst B, <i>et al.</i> 2009. <i>Hepatology</i> 50:799. (Block) PubMed 3. Correia DV, <i>et al.</i> 2011. <i>Blood</i> 118:992. (FC) PubMed

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 References:	1. Cantoni C, <i>et al.</i> 1999. <i>J. Exp. Med.</i> 189:787. 2. Allcock RJN, <i>et al.</i> 2003. <i>Eur. J. Immunol.</i> 33:567. 3. Cantoni C, <i>et al.</i> 2003. <i>Structure</i> 11:725.