

## **Product Data Sheet**

## Biotin anti-human CD158e1 (KIR3DL1, NKB1)

	212704 / 100 ug		· · · · · · · · · · · · · · · · · · ·
Catalog # / Size: Clone:			
	Mouse IgG1, κ		
	Human NK cell clone VL186-1.6		Carlandar - Mariana
Reactivity:		,	
Preparation:	The antibody was purified by affinity chromatography, an biotin under optimal conditions. The solution is free of un	nd conjugated with iconiugated biotin.	
	Phosphate-buffered solution, pH 7.2, containing 0.09% s		
Concentration:			
	The antibody solution should be stored undiluted at 4°C.	Do not freeze.	
-			DX9 PE
Application	5.		Human peripheral blood lymphocytes
Applications:	FC - Quality tested		stained with DX9 PE and CD16 FITC
_	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 $\leq 0.5 \ \mu$ g per 10 <sup>6</sup> cells in 100 $\mu$ l volume. It is recommended that the reagent be titrated for optimal performance for each application.		
	The DX9 antibody reacts with the KIR (killer cell inhibitory receptor) designated NKB1 or KIR3DL1. Additional reported applications (for the relevant formats) include: immunoprecipitation <sup>1</sup> and restoring the NK cell cytotoxicity <sup>4,8</sup> . The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 312710).		
	<ol> <li>Litwin V, et al. 1994. J. Exp. Med. 180:537. (IP)</li> <li>Gumperz J, et al. 1996. J. Exp. Med. 183:1817.</li> <li>Gardiner CM, et al. 2001. J. Immunol. 166:2992.</li> <li>Bakker ABH, et al. 1998. J. Immunol. 160:5239.</li> <li>Goodier M, et al. 2000. J. Immunol. 165:139.</li> <li>Kirwan SE and Burshtyn DN. 2005. J. Immunol. 175:57.</li> <li>Yawata M, et al. 2002. Immunogenetics 54:543.</li> <li>Valiante NM, et al. 1997. Immunol. 179:1625. (FC) Pub</li> <li>Lichterfeld M, et al. 2008. J. Exp. Med. 204:2813. (FC)</li> </ol>	Med	
	NKB1 is a 70 kD member of the immunoglobulin superfat cells at varying levels among individuals. NKB1 is a type domains. The interaction of NKB1 with specific HLA-B ar inhibits cytotoxicity and prevents target cell lysis and dea thought to be important in NK and T cell regulation follow lower the threshold for activation through activating recep autoimmune disease.	I membrane protein con ntigens on a target cell ( ath. The interactions bet ving antigen stimulation.	ntaining two immunoglobulin C2-type the HLA-Bw4 allele, for example) ween KIR and MHC class I are The absence of ligands for KIRs may
-	1. Colonna M, <i>et al.</i> 1995. <i>Science</i> 268:405. 2. D'Andrea A, <i>et al.</i> 1995. <i>J. Immunol.</i> . 155:2306. 3. Uhrburg M, <i>et al.</i> 1997. <i>Immunity</i> 7:753. 4. Gumperz JE, <i>et al.</i> 1996. <i>J. Exp. Med.</i> 183:1817. 5. Wagtmann N, <i>et al.</i> 1995. <i>Immunity</i> 3:801.		
	Product PE anti-human CD16 PE anti-human CD94 Biotin Mouse IgG1, κ Isotype Ctrl APC Streptavidin FITC Streptavidin PE/Cy5 Streptavidin Cell Staining Buffer RBC Lysis Buffer (10X) PE anti-human CD56 (NCAM) FITC anti-human CD158b (KIR2DL2/L3, NKAT2)	Clone 3G8 DX22 MOPC-21 MEM-188 DX27	Application FC FC, ICFC FC, ICFC FC, ICFC FC, ICFC FC, ICFC FC, ICFC FC, ICFC FC

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