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Product Data Sheet

102 Log Fluoresence Intensity

Human peripheral blood lymphocytes

stained with purified DX27, followed

by anti-mouse IgG FITC

Relative Cell Number

100

Purified anti-human CD158b (KIR2DL2/L3, NKAT2)

Catalog # / Size: 312602 / 100 µg

Clone: DX27

Isotype: Mouse IgG2a, κ

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 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

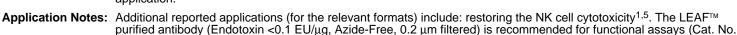
Applications:

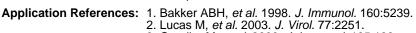
Applications: FC - Quality tested

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 ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each

application.





3. Goodier M, et al. 2000. J. Immunol. 165:139.

4. Yawata M, et al. 2002. Immunogenetics 54:543.

5. Valiante NM, et al. 1997. Immunity 7:739. 6. Zal B, et al. 2008. J. Immunol. 181:5233. PubMed

Description: The DX27 monoclonal antibody reacts with a common epitope of KIR2DL2 (CD158b1, p58.2), KIR2DL3 (CD158b2,

p58.3), and KIR2DS2 (CD158j, p50.2). It is expressed on natural killer cells and a subset of T cells. KIR-NKAT2 is a member of the immunoglobulin superfamily containing two immunoglobulin C2-type domains. Both variants and alternative isoforms of KIR-NKAT2 have been reported. The interaction of KIR-NKAT2 with specific HLA-C antigens on a target cell (HLA-Cw1, HLA-Cw3, HLA-Cw7 alleles, for example) inhibits cytotoxicity and prevents target cell lysis and death. The interactions between KIR and MHC class I are thought to be important in NK cell and T cell regulation following antigen stimulation. The absence of ligands for KIRs may lower the threshold for activation through

activating receptors and increase inflammation and susceptibility to autoimmune disease.

Antigen References: 1. Colonna M, et al. 1995. Science 268:405.

Related Products: Product Application Clone FC, IHC, IP, CyTOF® FC, IHC, IP Purified anti-human CD16 3G8 Purified anti-human CD94 DX22 FC, IHC, IP, WB, CyTOF® Purified anti-human HLA-DR L243

APC Goat anti-mouse IgG (minimal x-reactivity) FITC Goat anti-mouse IgG (minimal x-reactivity) Poly4053 Poly4053 MOPC-173 FC, ICC, IF, IHC, IP, WB Purified Mouse IgG2a, κ Isotype Ctrl FC FC, ICC, ICFC PE Goat anti-mouse IgG (minimal x-reactivity) Poly4053

Cell Staining Buffer RBC Lysis Buffer (10X)

FC, ICFC Purified anti-human CD56 (NCAM) FC, IHC, IP, WB MEM-188 Purified anti-human HLA-A,B,C W6/32 FC, IHC, IP, WB

Purified anti-human CD158e1 (KIR3DL1, NKB1) DX9



