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anti-KIR2DL4/CD158d antibody (APC)

2 Images



Publications



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Quantity:	100 tests	
Target:	KIR2DL4/CD158d (KIR2DL4)	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This KIR2DL4/CD158d antibody is conjugated to APC	
Application:	Flow Cytometry (FACS)	

Product Details

Product Details		
Immunogen:	NK3.3 cells and KIR2DL4-Ig fusion protein	
Clone:	MAb 33	
Isotype:	IgG1 kappa	
Specificity:	The mouse monoclonal antibody mAb#33 (also known as mAb 33 or 33) recognizes extracellular portion of CD158d / KIR2DL4, a 45 kDa NK cell marker. Cell surface expression and function of CD158d / KIR2DL4 depends on genotype of particular individuals.	
Cross-Reactivity (Details):	Human	
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.	

Target Details

Target:	KIR2DL4/CD158d (KIR2DL4)	
Alternative Name:	CD158d / KIR2DL4 (KIR2DL4 Products)	
Background:	Killer cell immunoglobulin like receptor, two Ig d,CD158d / KIR2DL4 is a KIR family member that shares structural features with both activating and inhibitory receptors and may mediate different functions under different circumstances. It contains cytoplasmic ITIM, suggesting inhibitory function, but also transmembrane domain similar to those of activating KIRs. It has been reported that CD158d serves as an inhibitory receptor for peripheral and uterine NK cells, but its ligation with soluble mAbs (unlike immobilized mAbs) results in activation of IFN-γ, secretion. CD158d also binds both membrane form and soluble form of its ligand HLA-G.,KIR2DL4, KIR103AS, 103AS, 15.212	
Gene ID:	3805	
UniProt:	Q99706	
Application Details		
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 μ L reagent / 100 μ L of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.	
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.	
Restrictions:	For Research Use only	
Handling		
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.	

Handling

Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:

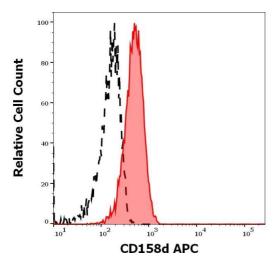
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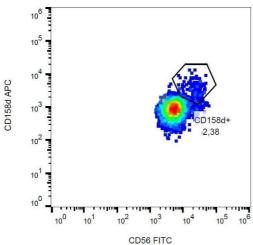
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Flow Cytometry

Image 1. Separation of cells stained using anti-human CD158d (mAb#33) APC antibody (10 μ L reagent per million cells in 100 μ L of cell suspension, red-filled) from cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 6 μ g/mL, same as CD158d APC concentration, black-dashed) in flow cytometry analysis (surface staining) of NKL cell suspension.

Flow Cytometry

Image 2. Surface staining of CD158d in human peripheral blood using anti-CD158d (mAB#33) APC.