9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-2646: Anti-Human CD158d Low Endotoxin Antibody (Clone : mAb#33)

Clonality :	Monoclonal
Clone Name :	mAb#33
Application :	WB
Reactivity :	Human
Gene :	KIR2DL4
Gene ID :	3805
Format :	Low Endotoxin
Alternative Name :	KIR2DL4, KIR103AS, 103AS, 15.212,killer cell immunoglobulin like receptor, two Ig d
Isotype :	Mouse IgG1 kappa
Immunogen Information :	NK3.3 cells and KIR2DL4-Ig fusion protein

Description

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.
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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
Storage condition :	Store at 2-8°C. Do not freeze.

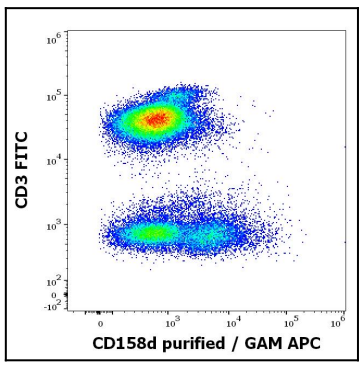

Figure 1: Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD158d (mAb#33) purified antibody and anti-human CD3 (UCHT1) FITC antibody

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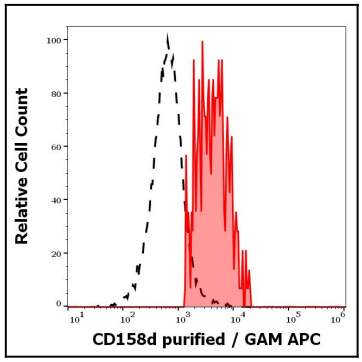

Figure 2: Separation of human CD158d positive NK cells (red-filled) from T cells (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD158d (mAb#33) purified antibody

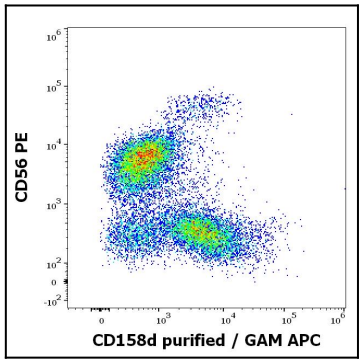

Figure 3: Flow cytometry multicolor surface staining pattern of human CD3 negative lymphocytes using anti-human CD158d (mAb#33) purified antibody and anti-human CD56 (LT56) PE antibody

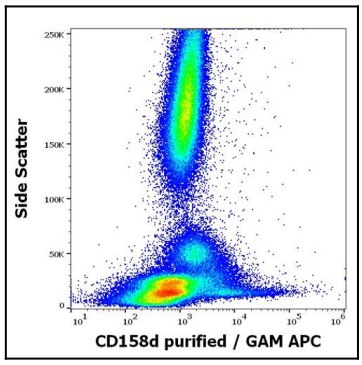

Figure 4: Flow cytometry surface staining pattern of murine splenocytes stained using anti-human CD158d (mAb#33) purified antibody