Purified Anti-Human CD158b/j Antibody[DX27]

catalog number: **E-AB-F1381A**

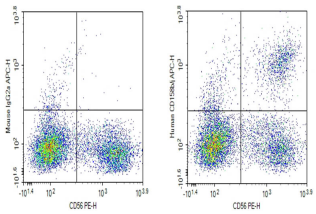
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human CD158b/j protein
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone	DX27
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	2 μg/mL(0.5×10^6-1×10^6 cells)

Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human CD158b/j Antibody[DX27] (Right) and 0.2 μg Mouse IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Human CD56 PE-conjugated Monoclonal Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD158 molecules, also known as KIRs (killer cell immunoglobulin-like receptors), are a family of transmembrane proteins with either two (KIR2D) or three (KIR3D) Ig-like extracellular domains. KIRs with long cytoplasmic domains contain ITIM motifs and possess inhibitory functions, while those with short cytoplasmic tails lack ITIMs and have activating functions. Fifteen polymorphic KIR genes have been reported in humans.CD158b1, CD158b2, and CD158j are 33-38 kD glycoproteins with two extracellular Ig-like domains and either a long cytoplasmic tail with ITIM motifs (KIR2DL2/KIR2DL3) or a short tail containing an ITAM-associated activating motif (KIR2DS2).

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