

Mouse anti-Human CD158d Monoclonal Antibody | anti-CD158d antibody

Anti-Hu CD158d PE-Cyanine7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128701	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD158d; Monoclonal Antibody; Anti-Hu CD158d PE-Cyanine7; KIR2DL4; KIR103AS; 103AS; 15.212; anti-CD158d antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	mAb#33
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.
Purity/Purification	The purified antibody is conjugated with tandem dye PE-Cyanine7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Applicable Applications for anti-CD158d antibody	FCM/FACS (Flow Cytometry)
Immunogen	NK3.3 cells and KIR2DL4-Ig fusion protein
Conjugation	PE-Cyanine7
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD158d antibody	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.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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