

Human KIR2DS1/CD158h Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1127B Catalog Number: MAB8887

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human KIR2DS1/CD158h in flow cytometry. Clone 1127B recognizes KIR2DS1 and some alleles of KIR2DL1, both members of the killer cell immunoglobulin-like receptor (KIR) family. Because Clone 1127B displays partial cross-reactivity with KIR2DL1, co-staining with Mouse Anti-Human KIR2DL1 Clone 143211 (Catalog # FAB1844F) is recommended.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1127B
Purification	Protein A or G purified from cell culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human KIR2DS1/CD158h Met1-His245 Accession # Q14954
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.				
	Recommended Concentration	Sample		
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below		

DATA

Detection of KIR2DS1/CD158 Cytometry. Human peripheral I from different donors (A and B) KIR2DS1/CD158h Monoclonal. followed by Allophycocyanin-cor Antibody (Catalog # FAB1844F). Cells w Human NCAM-1/CD56 PE-con (Catalog # FAB1844F). Cells w	Flow Cytometry				
		Cytometry. Human peripheral I from different donors (A and B) KIR2DS1/CD158h Monoclonal followed by Allophycocyanin-coo Antibody (Catalog # F0111) and KIR2DL1/KIR2DS5 Fluorescein (Catalog # FAB1844F). Cells w Human NCAM-1/CD56 PE-con			

Atection of KIR2DS1/CD158h in Human PBMCs by Flow tometry. Human peripheral blood mononuclear cells (PBMCs) m different donors (A and B) were stained with Rabbit Anti-Human R2DS1/CD158h Monoclonal Antibody (Catalog # MAB8887) lowed by Allophycocyanin-conjugated Anti-Rabbit IgG Secondary tibody (Catalog # F0111) and Mouse Anti-Human R2DL1/KIR2DSS Fluorescein-conjugated Monoclonal Antibody atalog # FAB1844F). Cells were gated on CD56 with Mouse Antiman NCAM-1/CD56 PE-conjugated Monoclonal Antibody atalog # FAB2408P, not shown).

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PREPARATION AND S	STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 		

BACKGROUND

The KIRs comprise a family of 14 polymorphic and homologous activating and inhibitory receptors expressed primarily on CD56^{dim} NK cells. KIR2DS1 is an activating receptor with high homology to the inhibitory receptor KIR2DL1. Both KIR2DL1 and KIR2DS1 bind to HLA-C alleles containing the C2 epitope. KIR2DS1 and KIR2DL1 expression regulates NK cell licensing and activation in a number of immune contexts.

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