

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human KIR3DL3/CD158z in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 1136B
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived recombinant human KIR3DL3/CD158z Met1-Leu322 Accession # Q8N743
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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	0.25-1 µg/10 ⁶ cells	BaF3 mouse pro-B cell line transfected with human KIR3DL3/CD158z

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

KIR3DL3 is a member of the killer-immunoglobulin-like receptors (KIR), a functionally diverse family of transmembrane receptors expressed primarily on NK cells. KIR3DL3 is a "framework" KIR gene, and is present in all individuals, in contrast to non-framework KIRs, whose gene content varies by KIR haplotype. KIR3DL3 is expressed at low or undetectable levels in peripheral blood NK cells, but expression can be induced in NK cell lines by demethylation agents, indicating that promoter DNA methylation inhibits KIR3DL3 transcription. Despite the lack of evidence for surface protein expression, KIR3DL3 mRNA expression has been detected in both decidua and peripheral blood NK cells in normal, disease-free conditions.

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