

Technical Data Sheet

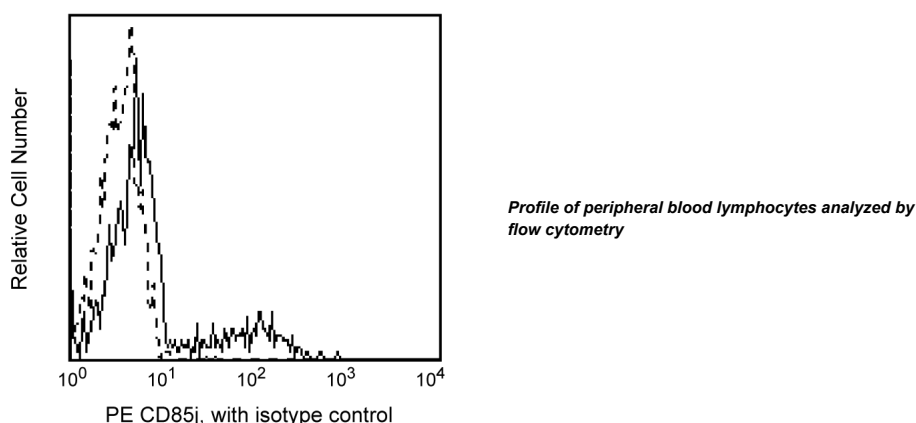
PE Mouse Anti-Human CD85j

Product Information

Material Number:	551053
Alternate Name:	CD85
Size:	100 tests
Vol. per Test:	20 µl
Clone:	GHI/75
Isotype:	Mouse IgG2b, κ
Reactivity:	QC Testing: Human
Workshop:	V B032
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

CD85 molecules belong to a large immunoregulatory family and it has been clustered into different subclasses from CD85a to CD85m in the VIIth HLDA workshop. CD85j is also called as Ig-like transcript (ILT2), or leukocyte Ig-like receptor (LIR-1). Reacts with an 110 kDa membrane glycoprotein expressed on a subset of NK cells, which varies amongst individuals, and a subpopulation of T lymphocytes. Expression on T lymphocytes, NK cells may depend on the individuals tested. Function studies show that ligation of ILT2 with MHC class I including HLA-A, B, G1 and -E induces an inhibitory signal via recruitment of SHP-1 phosphatase.



Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555743	PE Mouse IgG2b κ Isotype Control	100 tests	27-35

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100-µl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.

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5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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- Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995. (Clone-specific)