

Technical Data Sheet

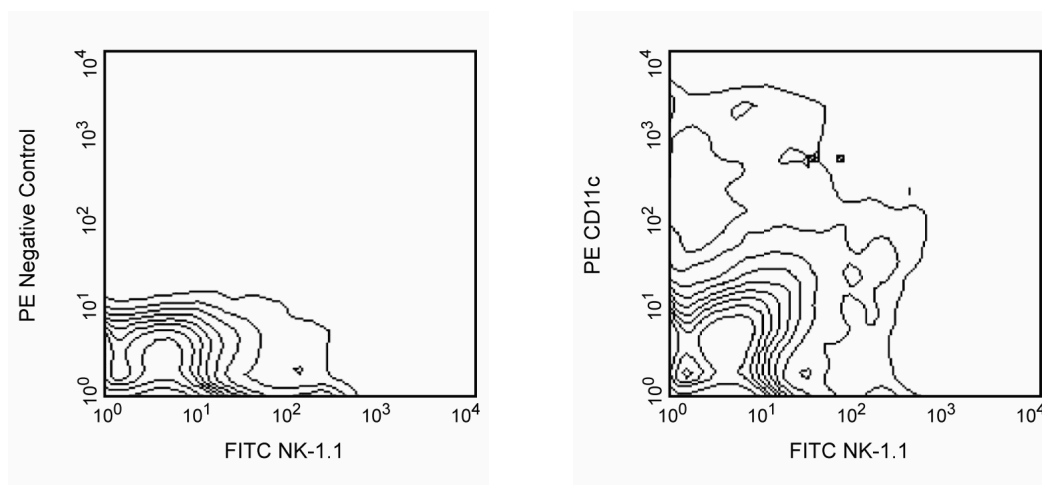
PE Hamster Anti-Mouse CD11c

Product Information

Material Number:	561044
Alternate Name:	Cd11c; Itgax; Integrin alpha-X; Integrin α X; Cr4; Complement receptor 4
Size:	25 μ g
Concentration:	0.2 mg/ml
Clone:	HL3
Immunogen:	C57BL/6 Mouse Intestinal Intraepithelial Lymphocytes
Isotype:	Armenian Hamster IgG1, λ 2
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing protein stabilizer and $\leq 0.09\%$ sodium azide.

Description

The HL3 monoclonal antibody specifically binds to the integrin α X chain of gp150, 95 (CD11c/CD18) which is expressed on dendritic cells and CD4⁺ CD8⁺ intestinal intraepithelial lymphocytes (IEL) and is upregulated on IEL and lymph-node T cells following *in vivo* activation. CD11c is also found on human NK cells. Although its expression on mouse NK cells is not published, we have detected CD11c on mouse splenic NK cells. Cells of the monocyte/macrophage lineage have been reported to express low levels of CD11c. CD11c plays a role in binding of iC3b.



Expression of CD11c on mouse spleen NK cells. C57BL/6 splenocytes were stained simultaneously with FITC-conjugated anti-mouse NK-1.1 mAb PK136 (Cat. No. 553164) and either isotype control (left panel) or PE-conjugated mAb HL3 (right panel). Flow cytometry was performed on a FACScan™ flow cytometry system.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
553954	PE Hamster IgG1, λ 1 Isotype Control	0.1 mg	G235-2356

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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2. 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.
3. Although hamster immunoglobulin isotypes have not been well defined, BD Biosciences Pharmingen has grouped Armenian and Syrian hamster IgG monoclonal antibodies according to their reactivity with a panel of mouse anti-hamster IgG mAbs. A table of the hamster IgG groups, Reactivity of Mouse Anti-Hamster Ig mAbs, may be viewed at http://www.bdbiosciences.com/documents/hamster_chart_11x17.pdf.
4. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
5. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.

References

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