

Technical Data Sheet

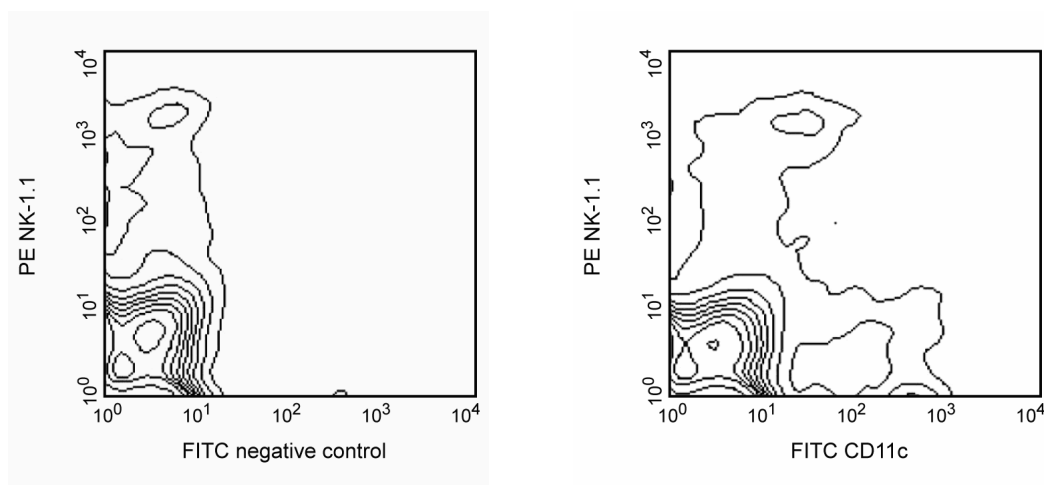
FITC Hamster Anti-Mouse CD11c

Product Information

Material Number:	561045
Alternate Name:	Cd11c; Itgax; Integrin alpha-X; Integrin α X; Cr4; Complement receptor 4
Size:	25 μ g
Concentration:	0.5 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 spleen NK cells. C57BL/6 splenocytes were stained simultaneously with PE-conjugated anti-mouse NK-1.1 mAb PK136 (Cat. No. 557391/553165) and isotype control (left panel) or FITC-conjugated mAb HL3 (right panel). Flow cytometry was performed on a BD FACScan™ flow cytometry system.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was 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
553953	FITC Hamster IgG1, λ 1 Isotype Control	0.25 mg	G235-2356

Product Notices

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

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2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. 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.
4. 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.

References

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