Datasheet for ABIN2688918

anti-CD11c antibody

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Overview

Quantity:	0.5 mg
Target:	CD11c (ITGAX)
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Immunohistochemistry (Zinc-fixed Sections) (IHC (zinc))

Product Details

Brand:	BD Pharmingen™
Immunogen:	C57BL/6 Mouse Intestinal Intraepithelial Lymphocytes
Clone:	HL3
Isotype:	IgG1 lambda
Characteristics:	The HL3 antibody reacts with the integrin αx 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. This antibody is

Product Details

	routinely tested by flow cytometric analysis. Other applications were tested during antibody development only or reported in the literature. 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 either isotype control (left panel) or purified mAb HL3 (right panel), followed by FITC-conjugated anti-hamster IgG cocktail (Cat. No. 554011). Flow cytometry was performed on a BD FACScan™ flow cytometry system. BD Pharmingen™ Purified Hamster Anti-Mouse CD11c - Purified - Clone HL3 - Isotype Armenian Hamster IgG1, λ2 - Reactivity Ms - 0.5 mg
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	CD11c (ITGAX Products)
Background:	Synonyms: Integrin αx chain
Pathways:	Complement System, Activated T Cell Proliferation, Integrin Complex

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:

Gao, Liu, Wen, Zhang, Durbin, Liu, Zheng: "Differentiation of monocytic cell clones into CD8 alpha+ dendritic cells (DC) suggests that monocytes can be direct precursors for both CD8 alpha+ and CD8 alpha- DC in the mouse." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 170, Issue 12, pp. 5927-35, (2003) (PubMed).

Fagarasan, Muramatsu, Suzuki, Nagaoka, Hiai, Honjo: "Critical roles of activation-induced cytidine deaminase in the homeostasis of gut flora." in: **Science (New York, N.Y.)**, Vol. 298, Issue 5597, pp. 1424-7, (2002) (PubMed).

Pulendran, Lingappa, Kennedy, Smith, Teepe, Rudensky, Maliszewski, Maraskovsky: " Developmental pathways of dendritic cells in vivo: distinct function, phenotype, and localization of dendritic cell subsets in FLT3 ligand-treated mice." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 159, Issue 5, pp. 2222-31, (1997) (PubMed).

Maraskovsky, Brasel, Teepe, Roux, Lyman, Shortman, McKenna: "Dramatic increase in the numbers of functionally mature dendritic cells in Flt3 ligand-treated mice: multiple dendritic cell subpopulations identified." in: **The Journal of experimental medicine**, Vol. 184, Issue 5, pp. 1953-62, (1996) (PubMed).

Huleatt, Lefrançois: "Antigen-driven induction of CD11c on intestinal intraepithelial lymphocytes and CD8+ T cells in vivo." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 154, Issue 11 , pp. 5684-93, (1995) (PubMed).

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