

Technical Data Sheet

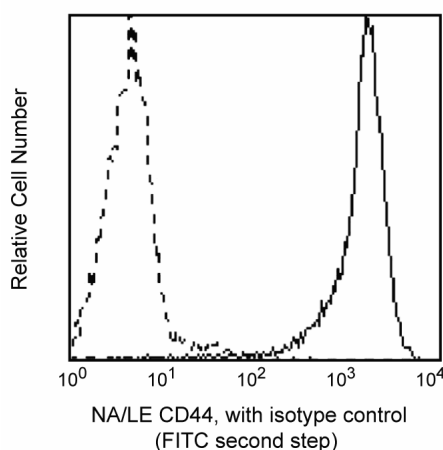
Purified NA/LE Mouse Anti-Human CD44

Product Information

Material Number:	550990
Alternate Name:	Pgp-1, H-CAM, Ly24
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	515
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 μ m sterile filtered. Endotoxin level is ≤ 0.01 EU/ μ g (≤ 0.001 ng/ μ g) of protein as determined by the LAL assay.

Description

Reacts with CD44, and 85 kDa glycoprotein that is expressed on leukocytes, erythrocytes, epithelial cells and weakly on platelets. CD44 is a member of the hyaladherin family of hyaluronan-binding proteins, with structural similarities to selectins. It has a functional role in cell migration, lymphocyte homing and adhesion during hematopoiesis and lymphocyte activation. 515 monoclonal antibody has been reported to be able to block cell adhesion to the hyaluronic acid.



Flow cytometric analysis for CD44. Human peripheral blood lymphocytes were stained either with the Purified NA/LE Mouse Anti-Human CD44 antibody (solid line) or a Mouse IgG1 isotype control (dashed line) followed by a FITC Goat Anti-Mouse IgG/IgM polyclonal secondary antibody and analyzed on a BD FACScan™ instrument.

Preparation and Storage

Store undiluted at 4°C.

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

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
554721	Purified NA/LE Mouse IgG1 κ Isotype Control	0.5 mg	107.3
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
550988	Purified Mouse Anti-Human CD44	0.1 mg	515

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Kansas GS, Muirhead MJ, Dailey MO. Expression of the CD11/CD18, leukocyte adhesion molecule 1, and CD44 adhesion molecules during normal myeloid and erythroid differentiation in humans. *Blood*. 1990; 76(12):2483-2492. (Biology)

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Kansas GS, Tedder TF. Transmembrane signals generated through MHC class II, CD19, CD20, CD39, and CD40 antigens induce LFA-1-dependent and independent adhesion in human B cells through a tyrosine kinase-dependent pathway. *J Immunol.* 1991; 147(12):4094-4102. (Biology)

Patel DD, Liao HX, Haynes BF. CD44 workshop panel report. In: Kishimoto T, Kikutani H, von dem Borne AEGK, ed. *Leukocyte Typing VI: White Cell Differentiation Antigens*. New York: Garland Publishing Inc; 1997:373-375. (Biology)