

Mouse anti-Human CD44 Monoclonal Antibody | anti-CD44 antibody

Anti-Human CD44, PE, (clone: BU75)(Mouse IgG2a)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74292	Mouse	Human	Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

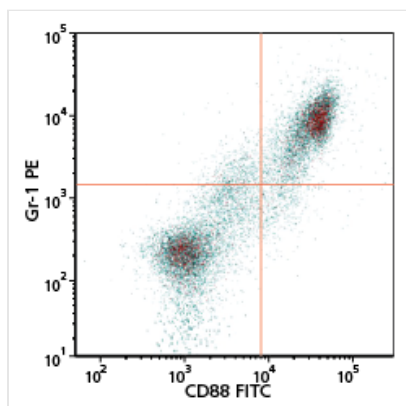
PRODUCT SYNONYMS

CD44; Monoclonal Antibody; Anti-Human CD44; PE; (clone: BU75)(Mouse IgG2a); anti-CD44 antibody

PRODUCT SPECIFICATIONS

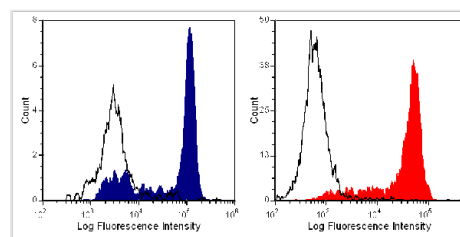
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	BU75
Specificity	This antibody is specific for human CD44 (Pgp-1)
Form/Format	PE conjugated IgG buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5mg/ml.
Applicable Applications for anti-CD44 antibody	FA (Functional Assay), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Conjugation	R-phycoerythrin (PE)
Immunogen	Follicular dendriticcells and germinal center B cells.
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE

IMAGES



Application Data

CL7588F (CD88 FITC) and CL8991PE (Gr-1 PE) staining on C57BL/6 mouse bone marrow.



FCM/FACS (Flow Cytometry)

Balb/c peritoneal macrophages (left) or bone marrow (Gr-1 gate)(right) were stained with anti-C5a receptor (CD88)(clone: 20/70)(filled histogram) or rat IgG2b isotype control (open histogram).

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	The CD44 antigen is a cell-surface glycoprotein involved in cell to cell and cell-matrix interactions, cell adhesion and migration, which it achieves through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction of CD44 is observed in numerous pathogenic phenotypes including various forms of cancer.
References	1. Denning, S.M., et al. (1995) in Leucocyte Typing V (Schlossman, S., ed) pp. 1713-1719, Oxford University Press, Oxford. 2. Telen MJ, et al. (1996) A bloodgroup-related polymorphism of CD44 abolishes a hyaluronan-binding consensus sequence without preventing hyaluronan binding. J Biol Chem. 271(12):7147-53. 3. Zittermann SI, et al. (2001) Modulation of CD44 in acute lymphoblastic leukemia identifies functional and phenotypic differences of human B cell precursors. Eur J Haematol. 66(6):377-82.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd44-antibody-clone-bu75-functional-assay-western-blot-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/74292>