

Mouse CD44 Monoclonal Antibody | anti-CD44 antibody

MOUSE ANTI HUMAN CD44:FITC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50483	Mouse	Human, Cat, Baboon, African green monkey	Flow Cytometry, Functional Assay

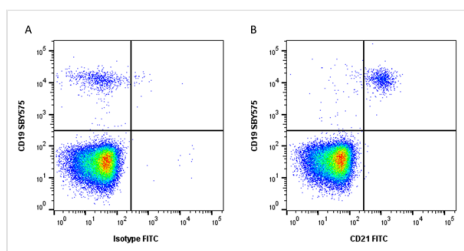
PRODUCT SYNONYMS

CD44; Monoclonal Antibody; MOUSE ANTI HUMAN CD44:FITC; H-CAM; PGP-1; anti-CD44 antibody

PRODUCT SPECIFICATIONS

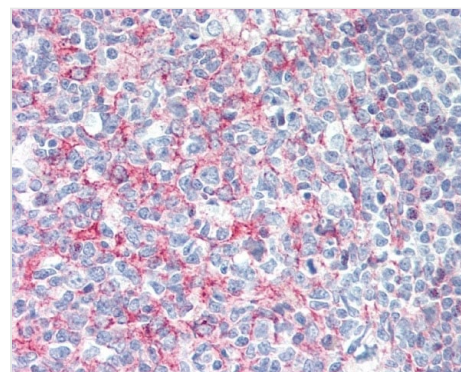
Host	Mouse
Reactivity	Human, Cat, Baboon, African green monkey
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	156-3C11
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Form/Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid ALEXA FLUOR 647, FITC, Purified, RPE Phosphate buffered saline 0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Applicable Applications for anti-CD44 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Stimulated human leucocytes.
Preparation and Storage	IgG concentration 0.1mg/ml

IMAGES



Application Data

Figure A. StarBright Yellow 575 conjugated Mouse anti Human CD19 and FITC conjugated Mouse IgG1 isotype control . Figure B. StarBright Yellow 575 conjugated Mouse anti Human CD19 and FITC conjugated Mouse anti Human CD21 . All experiments performed on red cell lysed human blood gated on single cell lymphocytes, in the presence of 10% human serum. Data acquired on the ZE5 Cell Analyzer.



Application Data

Mouse anti Human CD21 antibody, clone Bu33 used to stain formalin fixed, paraffin embedded human spleen sections by immunohistochemistry, visualized by biotinylated anti-Mouse IgG and streptavidin alkaline phosphatase (red). Nuclei were counterstained with hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	Mouse anti Human CD44 antibody, clone 156-3C11 recognizes human Phagocytic glycoprotein 1 also known as CD44, HCAM or CD44s. CD44 is a ~90 kDa single pass type I transmembrane glycoprotein. Various isoforms of CD44 exist due to differential expression of exon products form the membrane proximal region of the extracellular domain. Mouse anti Human CD44 antibody, clone 156-3C11 recognizes the ~90 kDa standard form lacking any of the alternative spliced products, the clone is expected to recognize all isoforms of CD44. CD44 is expressed on leucocytes, erythrocytes, white matter of the brain and some epithelial cells of the breast and small intestine. Antibodies produced by clone 156-3C11 recognise epitope 3, defined as a protease resistant epitope on the CD44 molecule (CD44 and CD45R Cluster report. In Leucocyte Typing V. White cell differentiation antigens. Eds Schlossman, S.F. et al). CD44 is a receptor for hyaluronic acid (HA) and is involved in cell-cell interactions, cell adhesion and migration (Lesley et al. 1990). CD44 also participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing (Shimizu et al. 1989). CD44 expression may be up-regulated upon some carcinomas, and it has been speculated that this may be related to metastatic potential (East and Hart 1993).
Product Categories/Family for anti-CD44 antibody	Primary

NCBI AND UNIPROT INFORMATION

NCBI GeneID	960
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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-156-3c11-flow-cytometry-elisa/50483>