

Mouse CD44 Monoclonal Antibody | anti-CD44 antibody

MOUSE ANTI HUMAN CD44

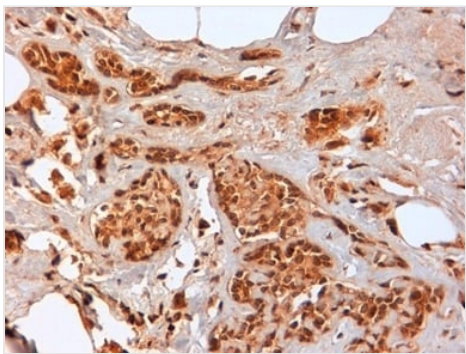
CATALOG #	HOST	APPLICATIONS
AAA12208	Mouse	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

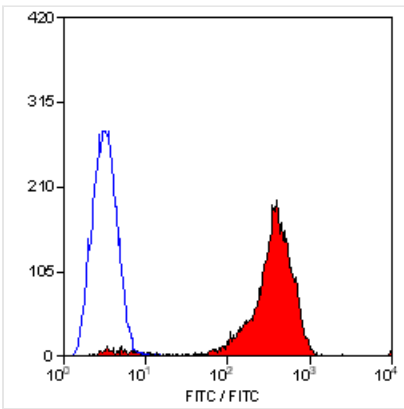
CD44; Monoclonal Antibody; MOUSE ANTI HUMAN CD44; anti-CD44 antibody

PRODUCT SPECIFICATIONS

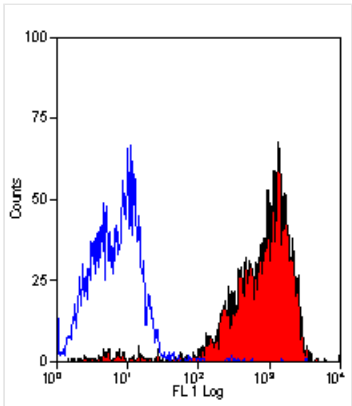
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	F10-44-2
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1mg/ml (varies by lot)
Sequence Length	742
Applicable Applications for anti-CD44 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Minimum Dilution: 1/10; Maximum Dilution: 1/20 Immunohistology - Paraffin: Minimum Dilution: 1/50; Maximum Dilution: 1/100
Perservative Stabilisers	0.09% Sodium Azide Preparation
Immunogen	Human T lymphocytes Histology Positive Control Tissue
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



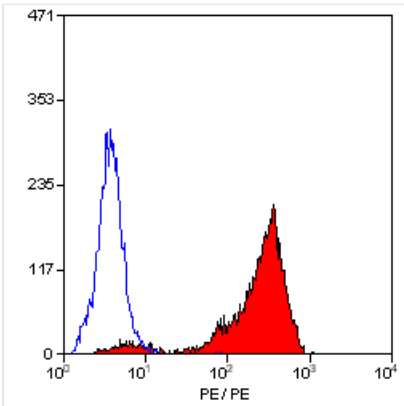
Application Data
Formalin fixed, paraffin embedded human breast cancer biopsy stained with Mouse anti Human CD44 antibody followed by HRP-polymer detection and DAB substrate development (high power) following antigen retrieval using citrate buffer at pH6.2



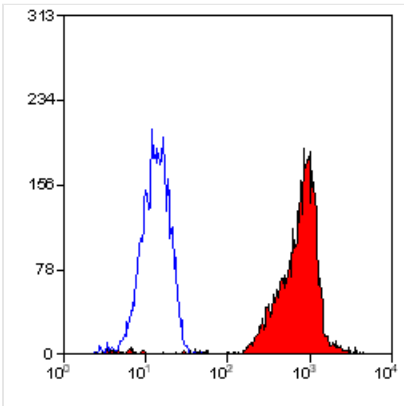
Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD44:FITC



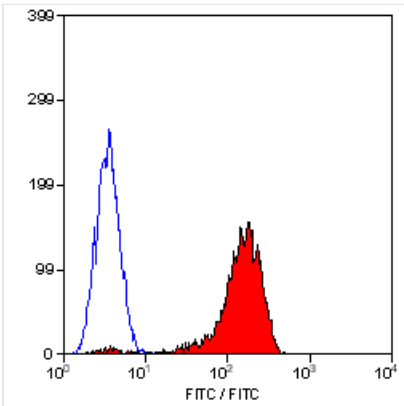
Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD44:Azide free



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD44:RPE



Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD44:Alexa Fluor 647



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD44:Biotin

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	Mouse anti Human CD44 antibody, clone F10-44-2 recognizes human CD44, also known as Epican, HCAM, Phagocytic Glycoprotein 1 (PGP-1) or Hyaluronate receptor. Human CD44 is a single pass, type I transmembrane glycoprotein of variable molecular weight ranging from ~90kDa to ~220kDa depending on alternate splicing of the variable region exons and on the degree of glycosylation. CD44 is expressed on multiple cell types and is involved in multiple functions including cell-cell interactions and cell-extracellular matrix binding. Hyaluronan, a high molecular weight polysaccharide component of the extracellular matrix acts as the principal ligand for the CD44 receptor (Laurent and Fraser 1992). CD44 isoforms containing one or more sequences encoded by the variant region exons have a much more restricted expression pattern both in terms of organ specificity and immune activation (Mackay et al. 1994).. Mouse anti Human CD44 antibody, clone F10-44-2 recognizes an epitope on human CD44 outside the regions coded for by the variable region exons and is thus expected to recognize all isoforms of human CD44 (Mackay et al. 1994).
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255935
NCBI GeneID	960
NCBI Accession #	NP_000601.3
NCBI GenBank Nucleotide #	NM_000610.3
UniProt Accession #	P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13
Molecular Weight	15,635 Da
NCBI Official Full Name	CD44 antigen isoform 1
NCBI Official Synonym Full Names	CD44 molecule (Indian blood group)
NCBI Official Symbol	CD44
NCBI Official Synonym Symbols	IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III
NCBI Protein Information	CD44 antigen; GP90 lymphocyte homing/adhesion receptor; Hermes antigen; cell surface glycoprotein CD44; chondroitin sulfate proteoglycan 8; epican; extracellular matrix receptor III; hematopoietic cell E- and L-selectin ligand; heparan sulfate proteoglycan; homing function and Indian blood group system; hyaluronate receptor; phagocytic glycoprotein 1
UniProt Protein Name	CD44 antigen
UniProt Gene Name	CD44
UniProt Synonym Gene Names	LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I
UniProt Entry Name	CD44_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd44-antibody-clone-f10-44-2-immunohistochemistry-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/12208>