

Mouse CD44 Monoclonal Antibody | anti-CD44 antibody

MOUSE ANTI MOUSE CD44:FITC

CATALOG # AAA49552	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5035-41.1D
Specificity	Ly24.2 found on >90% bone marrow cells and spleen cells, 56% of thymus cells and 90% of lymph node cells. This antibody recognises the following strains of mice:- C57BL/6, C57BL/10, C57/L, C58A, AKR, 129, SJL, NZB, C3H, CE, CBA/H.
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	363
Applicable Applications for anti-CD44 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Immunogen	Spleen cells from B6PL-Ly-2a / Ly-3a B6-Ly-1a mice
Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse P3-NS1-1-Ag4 myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Max Ex/Em	Fluorophore: FITC Excitation(nm): 490 Emission (nm): 520
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. This product is photosensitive and should be protected from light. 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.

IMAGES



Application Data
Staining of mouse spleen cells with Mouse anti Mouse CD44:FITC

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	Ly24.2 found on >90% bone marrow cells and spleen cells, 56% of thymus cells and 90% of lymph node cells. This antibody recognises the following strains of mice:- C57BL/6, C57BL/10, C57/L, C58A, AKR, 129, SJL, NZB, C3H, CE, CBA/H.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	85540468
NCBI GeneID	12505
NCBI Accession #	NP_001034240.1
NCBI GenBank Nucleotide #	NM_001039151.1
UniProt Accession #	P15379; Q05732; Q61395; Q62060; Q62061; Q62062; Q62063; Q62408; Q62409; Q64296; Q99J14; Q9QYX8
Molecular Weight	39,999 Da
NCBI Official Full Name	CD44 antigen isoform c
NCBI Official Synonym Full Names	CD44 antigen
NCBI Official Symbol	Cd44
NCBI Official Synonym Symbols	Ly-24; Pgp-1; HERMES; AU023126; AW121933; AW146109
NCBI Protein Information	CD44 antigen; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; PGP-I; extracellular matrix receptor III; hermes antigen; hyaluronate receptor; lymphocyte antigen 24; phagocytic glycoprotein 1; phagocytic glycoprotein I
UniProt Protein Name	CD44 antigen
UniProt Gene Name	Cd44
UniProt Synonym Gene Names	Ly-24; ECMR-III; Ly-24; PGP-1; PGP-I
UniProt Entry Name	CD44_MOUSE

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-5035-41-1d-flow-cytometry-elisa/49552>