

CD24 recombinant antibody

Anti-CD24 [M1/69], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72556	Rabbit	Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay

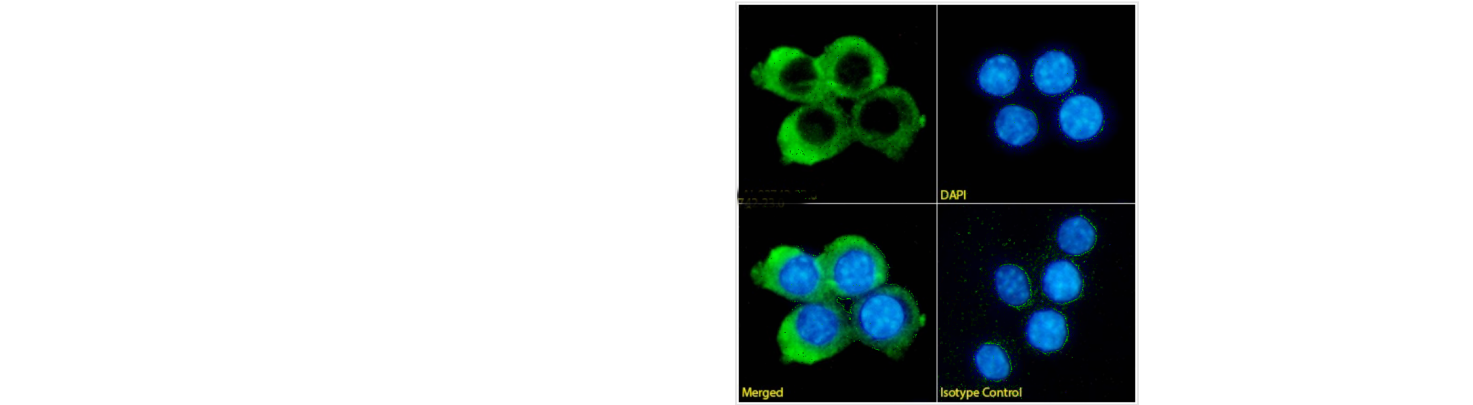
PRODUCT SYNONYMS

CD24; Monoclonal Recombinant Antibody; Anti-CD24 [M1/69]; Rabbit IgG; kappa; Heat stable antigen; Signal transducer CD24; Lymphocyte antigen 52; Ly-52; M1/69-J11D heat stable antigen; HSA; Nectadrin; R13-Ag; X62 heat stable antigen; CD24 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	M1/69
Specificity	This antibody binds mouse CD24 also known as Heat Stable Antigen (HSA), Ly-52, or Nectadrin. It is a variably glycosylated GPI-anchored membrane protein expressed on the surface lymphocytes, granulocytes, epithelial cells, thymocytes, monocytes, erythrocytes, and dendritic cells. This protein plays an important role in differentiation of different cell types and its expression varies during lymphocyte differentiation which makes it a good marker for delineating various lymphocyte developmental stages. It is also expressed in erythroleukemia, small cell lung carcinoma and multiple sclerosis.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD24 recombinant antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of RAW264.7 cells with anti-CD24 antibody M1/69 (AAA72556). Immunofluorescence analysis of paraformaldehyde-fixed RAW264.7 cells on slides, fixed coverslips stained with the chimeric rabbit IgG version of M1/69 (AAA72556) (1:100 dilution) for 1 h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. Then nuclei were stained with DAPI. The images show membrane and cytoplasmic staining. The nuclei are stained with DAPI. The top-left panel shows the anti-CD24 staining (green), the top-right panel shows DAPI staining (blue), the bottom-left panel shows the merged channels, and the bottom-right panel shows the isotype control (green). The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CD24 recombinant antibody	The original antibody was generated by immunizing DA rats with B10 mouse splenic T cells and concanavalin A-activated splenocytes.
References	Springer et al. Monoclonal xenogeneic antibodies to murine cell surface antigens: identification of novel leukocyte differentiation antigens. Eur J Immunol. 1978 Aug;8(8):539-51. N/A81133 Note on publication: Describes the generation and characterization of different antibodies against mouse cell surface antigens.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55442
NCBI GeneID	12484
UniProt Accession #	P24807; P26691
Molecular Weight	7,797 Da
NCBI Official Full Name	heat stable antigen
NCBI Official Synonym Full Names	CD24a antigen
NCBI Official Symbol	Cd24a
NCBI Official Synonym Symbols	HSA; Cd24; Ly-52; nectadrin
NCBI Protein Information	signal transducer CD24
UniProt Protein Name	Signal transducer CD24
UniProt Gene Name	Cd24
UniProt Synonym Gene Names	Cd24a; Ly-52; Ly-52; HSA

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/cd24-recombinant-antibody-clone-m1-69-immunofluorescence-immunohistochemistry-western-blot-flow-cytometry-elisa/72556>