

Rabbit anti-Human CD43 Monoclonal Antibody | anti-CD43 antibody

Anti-CD43 [84-3C1]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72159	Rabbit	Human	Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Flow Cytometry, Functional Assay, Western Blot

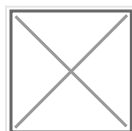
PRODUCT SYNONYMS

CD43; Monoclonal Antibody; Anti-CD43 [84-3C1]; Leukosialin; Sialophorin; GPL115; Galactoglycoprotein; GALGP; Leukocyte sialoglycoprotein; anti-CD43 antibody

PRODUCT SPECIFICATIONS

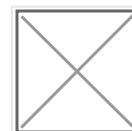
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	84-3C1
Specificity	This antibody recognizes CD43 which is a predominant cell surface sialoprotein of leukocytes which regulates multiple T-cell functions, including T-cell activation, proliferation, differentiation, trafficking and migration.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD43 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), WB (Western Blot)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using the anti-CD43 antibody 84-3C1 (AAA72159). K562 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody or the rabbit IgG1 version of 84-3C1 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)

Immunofluorescence staining of fixed K562 cells with anti-CD43 antibody 84-3C1 (AAA72159). Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of 84-3C1 () at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom , DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-CD43 antibody 84-3C1 (AAA72159) Daudi(A) cell lysate, K562(B) cell lysate and human bone marrow(C) tissue lysate (35ug protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 84-3C1f () at 0.1ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CD43 antibody	Recombinant monoclonal antibody to CD43. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 84-3C1. This antibody was raised by immunizing mice with stimulated human leukocytes.
Product Categories/Family for anti-CD43 antibody	lymphoma ; B cell lymphoma ; cancer ; oncology ; haematology ; hematology ; B-cell malignancy
References	Third Workshop on Human Leucocyte Differentiation Antigens. Note on publication: This antibody was characterized during the Third Workshop on Human Leucocyte Differentiation Antigens.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71979937
NCBI GeneID	6693
NCBI Accession #	NP_001025459.1
NCBI GenBank Nucleotide #	NM_001030288.2
UniProt Accession #	P16150; A8K9B1
Molecular Weight	40,322 Da
NCBI Official Full Name	leukosialin
NCBI Official Synonym Full Names	sialophorin
NCBI Official Symbol	SPN
NCBI Official Synonym Symbols	LSN; CD43; GALGP; GPL115
NCBI Protein Information	leukosialin; galactoglycoprotein; leukocyte sialoglycoprotein; sialophorin (gpL115, leukosialin, CD43)
UniProt Protein Name	Leukosialin
UniProt Gene Name	SPN
UniProt Synonym Gene Names	CD43; GALGP
UniProt Entry Name	LEUK_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd43-antibody-clone-84-3c1-immunohistochemistry-immunofluorescence-immunoprecipitation-flow-cytometry-western-blot-elisa/72159>