

CD43 recombinant antibody

Anti-CD43 [OX-58], Rabbit IgG, kappa

CATALOG # AAA72484	HOST Rabbit	REACTIVITY Rat	APPLICATIONS immunoassay, Radioimmunoassay, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

CD43; Monoclonal Recombinant Antibody; Anti-CD43 [OX-58]; Rabbit IgG; kappa; Leukosialin; Leukocyte sialoglycoprotein; Sialophorin; W3/13 antigen; OX 58; MRC OX 58; CD43 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	OX-58
Specificity	This antibody recognises rat leukosialin, a major cell-surface sialoglycoprotein of thymocytes and T lymphocytes. It is also expressed on neutrophils, bone marrow stem cells and B-lineage cells after activation. The specificity of the leukosialin epitope is largely determined by linear protein sequence, as indicated by the reaction of this antibody with the extracellular domain of leukosialin expressed in an unglycosylated form in E. coli. However, the sensitivity of this antibody to neuraminidase treatment of leukosialin indicates that glycosylation can modify epitope conformation or flexibility.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD43 recombinant antibody	RIA (Radioimmunoassay), 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



IF (Immunofluorescence)

Immunofluorescence staining of fixed rat splenocytes with anti-CD43 antibody OX-58 (AAA72484). Immunofluorescence analysis of paraformaldehyde fixed rat splenocytes on Shifox coverslips stained with the chimeric rabbit IgG version of OX-58 (AAA72484) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72484, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

FCM/FACS (Flow Cytometry)

Flow cytometry analysis of rat splenocytes stained with anti-CD43 antibody OX-58 (AAA72484) (1:100 dilution) followed by Alexa Fluor 488 secondary antibody (1:1000 dilution). The unknown specificity antibody was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CD43 recombinant antibody	This antibody was prepared by immunizing BALB/c mice with rat thymocyte leukosialin and thymocytes.
References	Cyster et al. The dimensions of the T lymphocyte glycoprotein leukosialin and identification of linear protein epitopes that can be modified by glycosylation. EMBO J. 1991 Apr;10(4):893-902. N/A1706994 Note on publication: Describes the original use of this antibody, along with other anti-CD43 MAbs, in FC, WB and plate binding assay studies to determine the dimensions of the extracellular part of the leukosialin molecule, and to establish that the antigenic determinants recognized are largely based on linear protein sequences.

NCBI AND UNIPROT INFORMATION

NCBI GI #	126215
NCBI GeneID	24796
UniProt Accession #	P13838
Molecular Weight	38,426 Da
NCBI Official Full Name	Leukosialin
NCBI Official Synonym Full Names	sialophorin
NCBI Official Symbol	Spn
NCBI Official Synonym Symbols	Lsn; Cd43; Lsn1; gpL115
NCBI Protein Information	leukosialin; W3/13 antigen; leukocyte sialoglycoprotein; leukosianin
UniProt Protein Name	Leukosialin
UniProt Gene Name	Spn
UniProt Entry Name	LEUK_RAT

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/cd43-recombinant-antibody-clone-ox-58-radioimmunoassay-flow-cytometry-western-blot-elisa/72484>