

CD43 recombinant antibody

Anti-CD43 [OX-56], Rabbit IgG, kappa

CATALOG # AAA72488	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunoprecipitation, Western Blot
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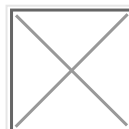
PRODUCT SYNONYMS

CD43; Monoclonal Recombinant Antibody; Anti-CD43 [OX-56]; Rabbit IgG; kappa; Leukosialin; OX56; MRC OX-56; MRC OX56; sialophorin; CD43 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	OX-56
Specificity	OX-56 binds specifically to CD43 and binding is not affected by CD43 glycosylation. OX-56 reacts with most thymocytes and T lymphocytes in the lymph node cell population. This antibody also binds to pre-B cells and can detect CD43 at low levels on B cells. CD43 plays a role in the physicochemical properties of the T-cell surface and in lectin binding. CD43 is a major cell-surface sialoglycoprotein - also found on neutrophils, bone marrow stem cells, B-lineage cells after activation of thymocytes and T lymphocytes but is not expressed on resting B lymphocytes. The protein presents carbohydrate ligands to selectins and is a counter-receptor for SN/Siglec-1. During T-cell activation it is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.
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	IP (Immunoprecipitation), 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



WB (Western Blot)

Western Blot using Anti-CD43 antibody OX-56 (AAA72488). Rat thymus (A), rat lymph node (B) and rat spleen (C) tissue lysates (35 µg protein in RIPA buffer) were resolved on a 4-20% SDS-PAGE gel and blots were probed with the chimeric rabbit version of OX-56 (AAA72488) at 0.3 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1 h was used and protein was detected by chemiluminescence.

FCM/FACS

Flow cytometry analysis of OX-56 (AAA72488) in rat thymus (A), rat lymph node (B) and rat spleen (C) cells. Cells were stained with FITC-conjugated anti-rabbit IgG (isotype control) or anti-CD43 (OX-56) and analyzed by flow cytometry. The results show that OX-56 binds to CD43 on the surface of these cells.

ADDITIONAL INFORMATION

Related Product Information for CD43 recombinant antibody	OX-56 was prepared by immunizing BALB/c mice with activated rat T lymphocytes.
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 use of OX-56 in the Epitope mapping of leukosialin

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd43-recombinant-antibody-clone-ox-56-immunoprecipitation-western-blot-elisa/72488>