

Mouse anti-Human CD43 Monoclonal Antibody | anti-SPN antibody

CD43 (T-Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62820	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

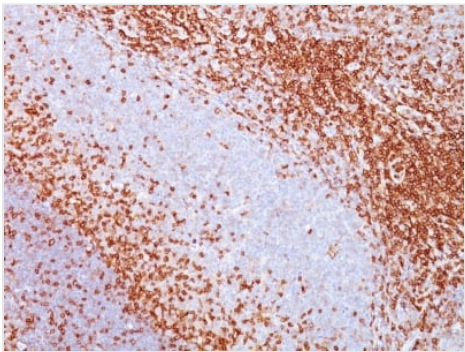
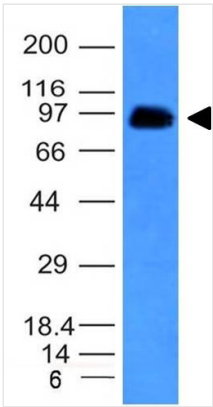
PRODUCT SYNONYMS

CD43; Monoclonal Antibody; CD43 (T-Cell Marker) Mouse Monoclonal Antibody; Galactoglycoprotein; GALGP; GPL115; Leukocyte sialoglycoprotein; Leukosialin; LSN; Sialophorin; SPN; anti-SPN antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	SPN/839
Specificity	It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43. 70-90% of T-cell lymphomas and from 22-37% of B-cell lymphomas express CD43. No reactivity has been observed with reactive B-cells. So a B-lineage population that co-expresses CD43 is highly likely to be a malignant lymphoma, especially a low-grade lymphoma, rather than a reactive B-cell population. When CD43 antibody is used in combination with anti-CD20, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co-staining of a lymphoid infiltrate with anti-CD20 and anti-CD43 argues against a reactive process and favors of lymphoma.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	400
Applicable Applications for anti-SPN antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface
Immunogen	Recombinant full-length human SPN protein
Hu-Chromosome Location	16p11.2
Positive Control	Paracortex in a tonsil or a reactive lymph node
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Spleen stained with CD43 Monoclonal Antibody (SPN/839).

WB (Western Blot)
Western Blot Analysis of human Spleen Lysate using CD43 Monoclonal Antibody (SPN/839).

ADDITIONAL INFORMATION

References	Baeckstrom, D., et al. 1995. Expression of the leukocyte-associated sialo-glycoprotein CD43 by a colon carcinoma cell line. J. Biol. Chem. 270: 13688-13692
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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	95; 115; 135kDa
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
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.