

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

CD43 (T-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215206	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	SPN/3388
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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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-CD43 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	K562 cells, Paracortex in a tonsil or a reactive lymph node.
Immunogen	Recombinant full-length human SPN protein
Cellular Localization	Cell Surface
Hu-chromosome Location	16p11.2
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



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of paraformaldehyde-fixed K562 cells using CD43 Mouse Monoclonal Antibody (SPN/3388) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



IF (Immunofluorescence)
Immunofluorescence Analysis of K562 CD43 Mouse Monoclonal Antibody (SPN/3388) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is NucSpot Live 650.



SDS-PAGE
SDS-PAGE Analysis Purified CD43 Mouse Monoclonal Antibody (SPN/3388). Confirmation of Integrity and Purity of Antibody



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human spleen stained with CD43 Mouse Monoclonal Antibody (SPN/3388).

ADDITIONAL INFORMATION

References	Baekstrom, 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 #	NP_001025459.1
UniProt Accession #	P16150
Molecular Weight	95, 115, or 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

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