

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

Monoclonal Antibody to CD43 (Clone: DF-T1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78452	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry

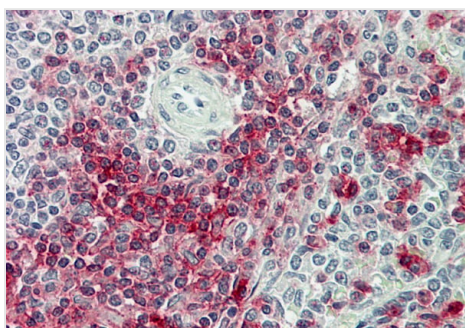
PRODUCT SYNONYMS

CD43; Monoclonal Antibody; Monoclonal Antibody to CD43 (Clone: DF-T1); SPN; Galactoglycoprotein; Leukocyte sialoglycoprotein; Sialophorin; anti-CD43 antibody

PRODUCT SPECIFICATIONS

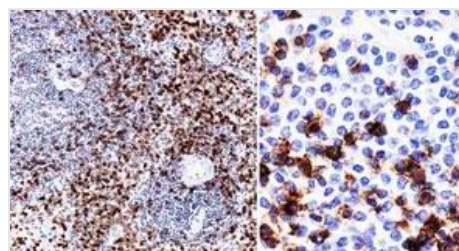
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	DF-T1
Purity/Purification	Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	400
Applicable Applications for anti-CD43 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antigen	CD43
Immunogen Information	Myeloblastic KG1 cells were used as the immunogen for this antibody.
Conjugation	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C; stable for 6 months. For long-term storage; store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



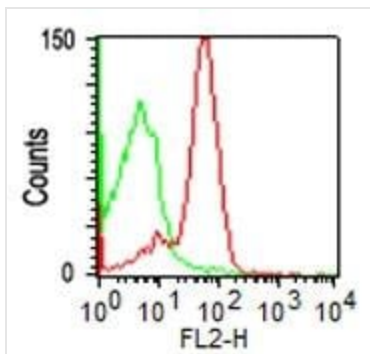
IHC (Immunohistochemistry)

Fig. 3: Immunohistochemical analysis of CD43 in human spleen tissue using CD43 antibody (Clone: DF-T1) at 10 ug/ml.



IHC (Immunohistochemistry)

Fig. 2: Immunohistochemical analysis of CD43 in human spleen using CD43 antibody (Clone: DF-T1) at 1: 200 dilution.



FCM/FACS (Flow Cytometry)
 Fig.1: Cell Surface flow analysis of anti-hCD43 antibody (36-3009) in PBMC (Lymphocytes gated) using 0.5 ug/10⁶ cells. Green represents isotype control; red represents anti-hCD43 antibody. Goat anti-mouse PE conjugated secondary antibody was used.

ADDITIONAL INFORMATION

Related Product Information for anti-CD43 antibody	This antibody recognizes a 95/115/135kDa (depending upon the extent of glycosylation) surface transmembrane glycoprotein, identified as CD43 (leukosialin, sialophorin, or leukocyte sialoglycoprotein). CD43 is expressed on all thymocytes and T-lymphocytes. Defects in the CD43 molecule are associated with the development of Wiskott-Aldrich syndrome. CD43 is also found in a range of lymphoid and myeloid tumors. Expression of CD43 may be used to identify B-lymphoblastic lymphoma, since the malignant cells in this condition are often CD43 positive. Since CD43 antibody stains granulocytes and their precursors, this antibody may be used as a marker for myeloid tumors. This antibody is also useful in identification and classification of T-cell malignancies.
Product Categories/Family for anti-CD43 antibody	Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	71979937
NCBI GeneID	6693
NCBI Accession #	NP_001025459.1
NCBI GenBank Nucleotide #	NM_001030288.3
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
UniProt Protein Name	Leukosialin
UniProt Gene Name	SPN
UniProt Synonym Gene Names	CD43; GALGP

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.