

Mouse anti-Human CDw75 Monoclonal Antibody | anti-CDw75 antibody

CDw75 (B-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215197	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CDw75; Monoclonal Antibody; CDw75 (B-Cell Marker); 6-sialyltransferase 1 (6-ST1); Alpha 2;6 ST1; Beta galactoside alpha 2;6 sialyltransferase 1; CMP N acetylneuraminate beta galactosamide alpha 2;6 sialyltransferase 1; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; SIAT1; ST6 beta galactosamide alpha 2;6 sialyltransferase 1; ST6Gal I; ST6N; anti-CDw75 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	ZB55
Specificity	Recognizes a neuraminidase-sensitive sialoprotein (CDw75), present on cell membrane and cytoplasm of germinal center B-cells and derived lymphomas. This MAb reacts with RBC precursors of bone marrow, ductal and ciliated epithelial cells of kidney, breast, prostate, pancreas, lung, and with glioblastomas, astrocytomas, and Reed Sternberg cells in lymphocyte predominant Hodgkin's disease. It is shown to be a helpful antibody for ascribing a B-cell phenotype in known lymphoid tissues.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by PEG precipitation. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	406
Applicable Applications for anti-CDw75 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	HeLa or Daudi cells (IF/FACS). Germinal center B- cells in a lymph node or tonsil (IHC). Use LN1 s ability to stain surface of erythrocytes as an internal positive control.
Immunogen	CD32 peptides
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	3q27.3
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



SDS-PAGE
SDS-PAGE Analysis Purified CDw75 Mouse Monoclonal Antibody (ZB55).Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded normal human spleen tissue stained with CDw75 Mouse Monoclonal Antibody (ZB55).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded normal human spleen tissue stained with CDw75 Mouse Monoclonal Antibody (ZB55).

ADDITIONAL INFORMATION

References	1. Marder RJ et. al. Lab Invest 52: 497-504, 1985. 2. Epstein AL et. al. J of Immunology 133: 1028-1036, 1984.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506949
NCBI GeneID	6480
NCBI Accession #	NP_003023.1
NCBI GenBank Nucleotide #	NP_003023.1
UniProt Accession #	P15907
Molecular Weight	46kDa
NCBI Official Full Name	beta-galactoside alpha-2,6-sialyltransferase 1 isoform a
NCBI Official Synonym Full Names	ST6 beta-galactoside alpha-2,6-sialyltransferase 1
NCBI Official Symbol	ST6GAL1
NCBI Official Synonym Symbols	ST6N; SIAT1; ST6GalI
NCBI Protein Information	beta-galactoside alpha-2,6-sialyltransferase 1
UniProt Protein Name	Beta-galactoside alpha-2,6-sialyltransferase 1
UniProt Gene Name	ST6GAL1
UniProt Synonym Gene Names	SIAT1; Alpha 2,6-ST 1; ST6GalI
UniProt Entry Name	SIAT1_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.