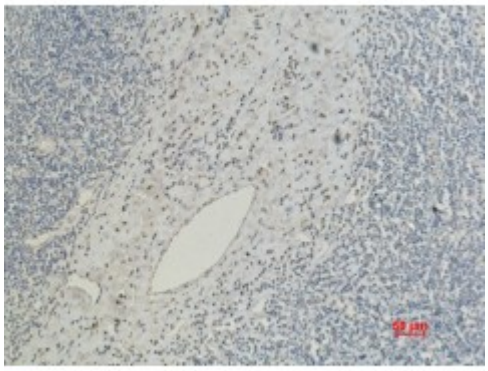
Anti-CD5 antibody



Description	CD5 is a protein encoded by the CD5 gene which is approximately 54,5 kDa. CD5 is localised to the cell membrane. It is involved in B cell development pathways, hematopoietic stem cell differentiation pathways and lineage-specific markers. This protein falls under the scavenger receptor cysteine-rich superfamily. It is a type-I transmembrane glycoprotein found on the surface of thymocytes, T-lymphocytes and a subset of B-lymphocytes and may act as a receptor in regulating T-cell proliferation. CD5 is expressed in the blood, pancreas, lymph nodes, bone marrow and spleen. Mutations in the CD5 gene may result in thymus cancer. STJ96973 was developed from clone 10G8 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This antibody detects endogenous CD5 proteins.

Model	STJ96973
Host	Mouse
Reactivity	Human, Mouse, Rat
Applications	IHC
Immunogen	Synthetic Peptide
Gene ID	921
Gene Symbol	CD5
Dilution range	IHC 1:200
Specificity	The antibody detects endogenous CD5 proteins.
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.

Clone ID	10G8
Note	For Research Use Only (RUO).
Protein Name	T-cell surface glycoprotein CD5 Lymphocyte antigen T1/Leu-1 CD antigen CD5
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1685OMIM:153340
Alternative Names	T-cell surface glycoprotein CD5 Lymphocyte antigen T1/Leu-1 CD antigen CD5
Function	May act as a receptor in regulating T-cell proliferation.
Cellular Localization	Cell membrane. Single-pass type I membrane protein.
Post-translational Modifications	Phosphorylated on tyrosine residues by LYN; this creates binding sites for PTPN6/SHP-1.