



Mouse Anti-Human CD21 monoclonal antibody, clone JID644 (CABT-L2854)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human CD21
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID644
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Tonsil, Lymph Node
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Cluster of differentiation 21 (CD21) is a glycoprotein on the surface of B-cells that is bound by Epstein-Barr virus (EBV) during infection of these cells. CD21 staining is useful for recognizing follicular dendritic cell matrices in normal tonsillar and lymph tissue, and can also stain dendritic cell sarcomas. CD21 is also useful for distinguishing marginal zone lymphoma with follicular involvement from follicular lymphoma with marginal zone differentiation. When used in concert with other B- and T-cell markers, CD21 is valuable for the differentiation between nodular lymphocyte-predominant Hodgkin lymphoma, T-cell/histiocyte-rich B-cell lymphoma, and lymphocyte-rich classic Hodgkin lymphoma. CD21 staining is useful for recognizing abnormal follicular dendritic cell patterns in angioimmunoblastic T-cell lymphoma and follicular T-cell lymphoma.
Keywords	CR2;complement component (3d/Epstein Barr virus) receptor 2;CR;C3DR;CD21;CVID7;SLEB9;complement receptor type 2;EBV receptor;complement C3d receptor;

GENE INFORMATION

Gene Name	CR2 complement component (3d/Epstein Barr virus) receptor 2 [Homo sapiens (human)]
Official Symbol	CR2
Synonyms	CR2; complement component (3d/Epstein Barr virus) receptor 2; CR; C3DR; CD21; CVID7; SLEB9; complement receptor type 2; EBV receptor; complement C3d receptor;
Entrez Gene ID	1380
Protein Refseq	NP_001006659
UniProt ID	P20023
Chromosome Location	1q32
Pathway	B Cell Receptor Signaling Pathway; B cell receptor signaling pathway; Complement and Coagulation Cascades; Complement and coagulation cascades; Epstein-Barr virus infection; Hematopoietic cell lineage;
Function	DNA binding; complement binding; complement receptor activity; protein homodimerization

activity; transmembrane signaling receptor activity;
