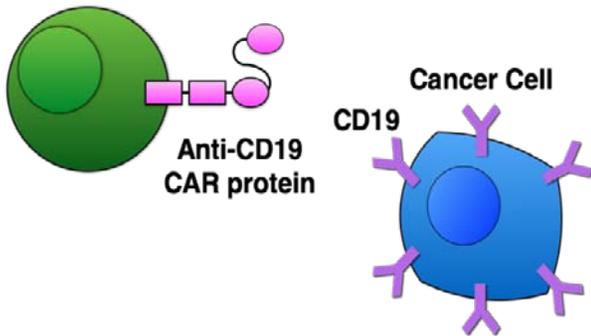
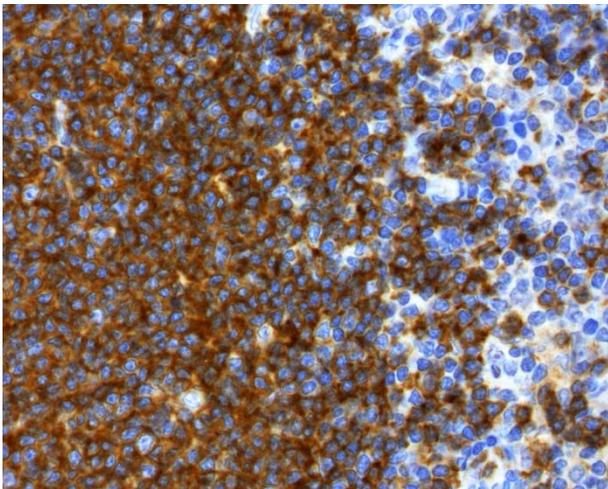


## CAR-expressing T cell



A schematic of an anti-CD19 CAR-expressing T-cell recognizing a CD19<sup>+</sup> malignant cell. CAR, chimeric antigen receptor

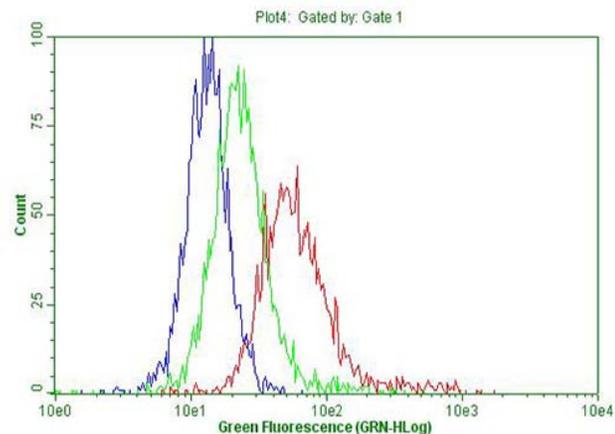
- CD19 is a biomarker for B cell lineage and positively regulates mature B cell antigen receptor signal transduction cascade.
- CD19 has been used to diagnose diseases related to B-Cell Lymphomas, including Non-Hodgkin lymphomas (NHL), acute lymphoblastic leukemia (ALL), and chronic lymphocytic leukemia (CLL).
- CD19 monoclonal antibody is widely studied for therapies of lymphoma, leukemia and autoimmune disorders, especially in the clinical trials of chimeric antigen receptor (CAR) T-cell therapy.



IHC staining of FFPE human B-Cell Lymphoma using anti-CD19 mouse monoclonal antibody (SKU# UM500071; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min).

## CD19 UltraMAB® Antibody

<b>SKU#</b>	UM500071 (100ul) &UM570071 (30ul)
<b>Clone Name</b>	UMAB103
<b>Target</b>	Homo sapiens CD19 molecule (CD19), transcript variant 2
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Tested Application</b>	WB, IHC, FC
<b>Dilution</b>	WB: 1:500, IHC: 1:200, FC: 1:50



Flow cytometric analysis of viable B-Cell Lymphoma cell line (Raji) using anti-CD19 antibody at 1:20 (UM500071, red), compared to isotype control (anti-DDK TA180144, green), and negative control (PBS, blue).

# Antibodies against commonly studied targets related to CD19

Protein Name	Antibody Description	SKU
CD20	Purified CD20 (MS4A1) mouse monoclonal antibody, clone UMAB58	UM800009
CD21	Rabbit Polyclonal Anti-CR2 (CD21) Antibody	TA350811
CD22	CD22 mouse monoclonal antibody, clone OTI4C3	TA506412
CD22	CD22 mouse monoclonal antibody, clone OTI4C3	TA506412
CD24	Mouse Anti-Human CD24 Purified, Clone eBioSN3 (SN3 A5-2H10)	TA320249
CD25	Anti-IL2RA (CD25) Rabbit Polyclonal Antibody	TA323669
CD27	Mouse Anti-Human CD27 Purified, Clone O323	TA320253
CD38	CD38 mouse monoclonal antibody, clone OTI1C9	TA804538
CD3E	CD3E mouse monoclonal antibody, clone UMAB54	UM500048
CD45R/B220	PTPRC (CD45R) mouse monoclonal antibody, clone OTI1B7	TA506054
CD69	Anti-CD69 Rabbit Polyclonal Antibody	TA321397
CD81	Rabbit Polyclonal CD81 Antibody	TA306789
CD81	Rabbit Polyclonal CD81 Antibody	TA306789
CD82	Rabbit Polyclonal KAI1 (CD82) Antibody	TA306407
CR2	Rabbit Polyclonal Anti-CR2 Antibody	TA350811
IFN-r	Rabbit polyclonal anti-IFN alpha 2b (IFN-R) antibody	TA319105
IL-10	ELISA and Luminex validated biotinylated IL-10 Rat monoclonal antibody, clone OTI12G8	TA700017
IL-2	Rabbit polyclonal IL-2 antibody Peroxidase Conjugated	TA319284
IL-6	IL6 mouse monoclonal antibody, clone OTI3G9	TA500067
Lyn	Rabbit Polyclonal Anti-LYN Antibody	TA350146
SHP-1	Rabbit polyclonal SHP-1 (Ab-564) antibody	TA312507
TNF-a	TNF mouse monoclonal antibody, clone OTI1C1	TA506513
VAV2	Rabbit Polyclonal Anti-VAV2 Antibody	TA351911

For more antibodies, please visit  
[www.origene.com/products/antibodies](http://www.origene.com/products/antibodies)