

## Product datasheet for **TA302072**

### CD19 Rabbit Polyclonal Antibody

#### Product data:

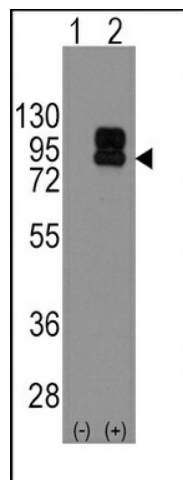
Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB: 1:1000, IF: 1:10~50, FC: 1:10~50, IHC: 1:10~50
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This CD19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-172 amino acids from the N-terminal region of human CD19.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	61128 Da
Gene Name:	CD19 molecule
Database Link:	<a href="#">NP_001761</a> <a href="#">Entrez Gene 930 Human</a> <a href="#">P15391</a>
Background:	Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. CD19 is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Synonyms:	B4; CVID3
Protein Families:	Druggable Genome, Transmembrane



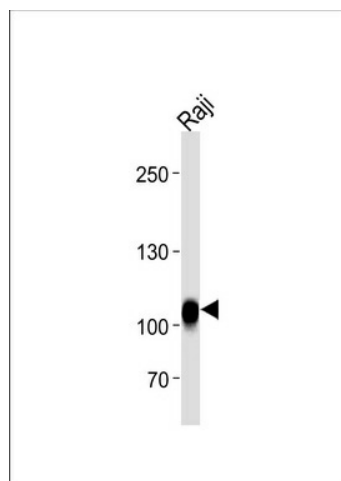
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Protein Pathways: B cell receptor signaling pathway, Hematopoietic cell lineage, Primary immunodeficiency

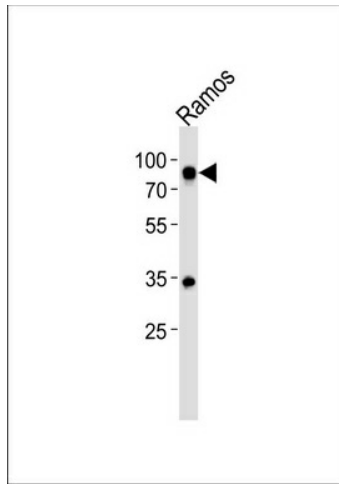
### Product images:



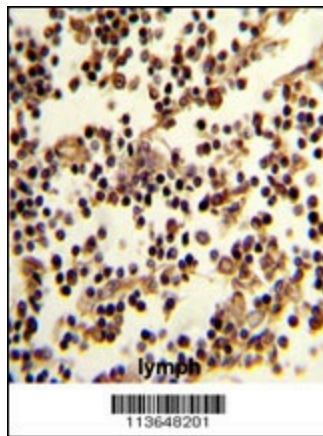
Western blot analysis of CD19 (arrow) using rabbit polyclonal CD19 Antibody (N-term) (Cat.#TA302072). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD19 gene (Lane 2) (Origene Technologies).



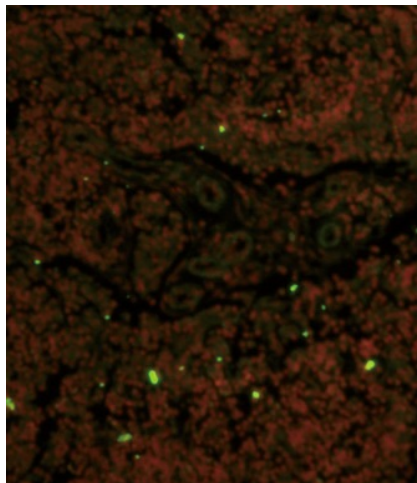
CD19 Antibody (N-term) (Cat.# TA302072) western blot analysis in Raji cell line lysates (35ug/lane). This demonstrates the CD19 antibody detected the CD19 protein (arrow).



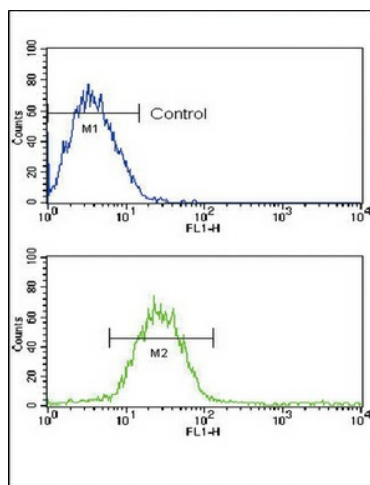
Western blot analysis of lysate from Ramos cell line, using CD19 Antibody (N-term) (Cat. #TA302072). TA302072 was diluted at 1:500. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



Formalin-fixed and paraffin-embedded human lymph reacted with CD19 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunofluorescence analysis of CD19 Antibody (N-term) with paraffin-embedded human lymph tissue. 0.05 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence. Red counterstaining is PI.



Flow cytometric analysis of CEM cells using CD19 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.