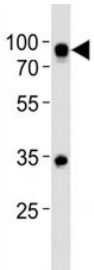
CD19 Antibody (F44318)

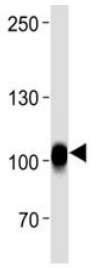
Catalog No.	Formulation	Size
F44318-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44318-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

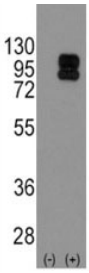
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P15391
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 1:500-100 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 IHC (Paraffin) : 1:10-1:50
Limitations	This CD19 antibody is available for research use only.



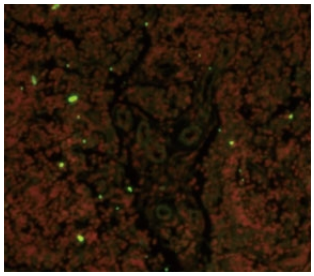
Western blot analysis of lysate from Ramos cell line using CD19 antibody at 1:500.
Expected size is 60~100 kDa depending on glycosylation level.



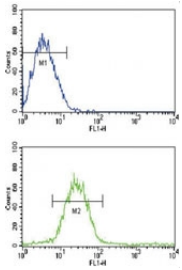
CD19 antibody western blot analysis in Raji lysate. Expected size is 60~100 kDa depending on glycosylation level.



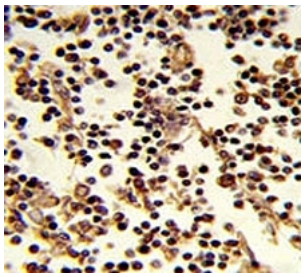
Western blot analysis of CD19 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD19 gene (2). Expected size is 60~100 kDa depending on glycosylation level.



Immunofluorescence analysis of CD19 antibody with paraffin-embedded human lymph tissue. Primary Ab 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 (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



IHC analysis of FFPE human lymph stained with CD19 antibody

Description

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.

Application Notes

Titration of the CD19 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 143-172 from the human protein was used as the immunogen for this CD19 antibody.

Storage

Aliquot the CD19 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.