

Product Datasheet

CD19 Antibody (orb749433)

Catalog Number	orb749433
Category	Antibodies
Description	CD19 is expressed on follicular dendritic cells and B cells. It is present on B cells from earliest recognizable B-lineage cells during development to B-cell blasts but is lost on maturation to plasma cells. It primarily acts as a B cell co-receptor in conjunction with CD21 and CD81. Upon activation, the cytoplasmic tail of CD19 becomes phosphorylated, which leads to binding by Src-family kinases and recruitment of PI-3 kinase. [Wiki]
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein G affinity chromatography
Immunogen	Human CD19 recombinant full length protein was used as immunogen for this CD19 antibody.
UniProt ID	P15391
Tested applications	FACS, IF
Dilution range	Flow cytometry: 1-2ug/10 ⁶ cells, Immunofluorescence: 1-2ug/ml
Application notes	Variations in protocols, secondaries and substrates may require the CD19 antibody to be titered up or down for optimal performance.

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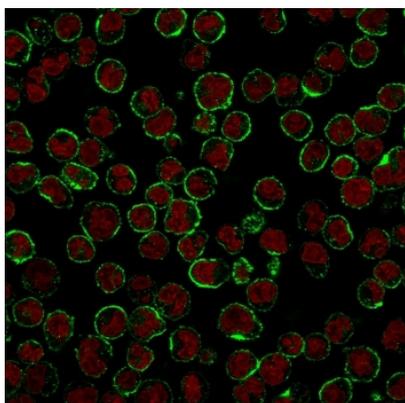
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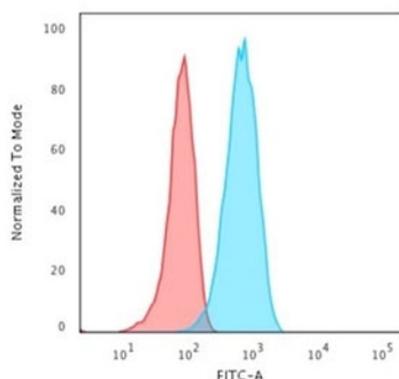
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Antibody Type	Primary Antibody
Clone Number	CVID3/429
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



Immunofluorescent staining of human Raji cells with CD19 antibody (clone CVID3/429, green) and Reddot nuclear stain (red).



Flow cytometry testing of human Raji cells with CD19 antibody (clone CVID3/429); Red = isotype control, Blue = CD19 antibody.

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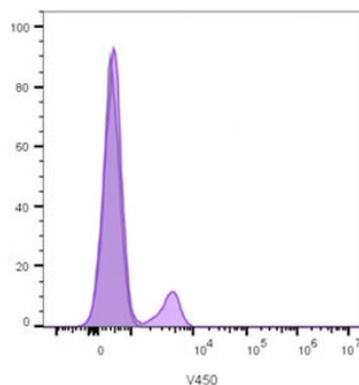
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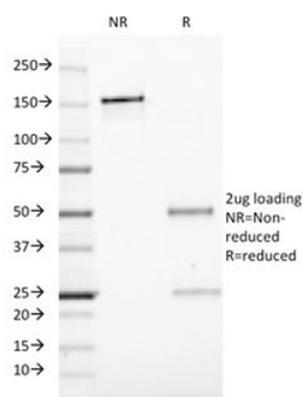
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Flow cytometry testing of lymphocyte-gated human PBM cells with CD19 antibody (clone CVID3/429); Gray = unstained cells, Violet = anti-CD19 antibody stained cells.



SDS-PAGE analysis of purified, BSA-free CD19 antibody (clone CVID3/429) as confirmation of integrity and purity.

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