| Revision 1 | | |
|--|---------------------------------|--|
| CD19 (1D3) Rat mAb (PE Conjugate) | | I Signaling |
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| Product Usage InformationFor optimal flow cytometry results, we recommend 0.125 µg of antibody per test.Application Flow Cytometry (Fixed/Permeabilized) Flow Cytometry (Live)StorageSupplied in 10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH 7.2. Th for 12 months when stored at 4°C. Do not aliquot the antibody. Protect from lightSpecificity/SensitivityCD19 (1D3) Rat mAb (PE Conjugate) recognizes endogenous levels of total mouse antibody detects an epitope within the extracellular domain.Source / PurificationThis monoclonal antibody was purified from tissue culture supernatant via affinit The purified antibody was conjugated under optimal conditions, with unreacted of preparation.DescriptionThis Cell Signaling Technology antibody is conjugated to PE and tested in-house f cytometric analysis in mouse cells.BackgroundCD19 is a 95 kDa coreceptor which amplifies the signaling cascade in B cells (1). C CD19 associates with CD21, CD81, and Leu-13 to exert its function. The cytoplasm nine conserved tyrosine residues playing critical roles in CD19 mediated function molecules to the receptor (1). After B cell receptor or CD19 ligation, Tyr531 and Tj progressively phosphorylated. This phosphorylation in anbles the coupling of PI3 tyrosine kinase to CD19 and activates the PI3K and Src signaling pathways (2,3). C receptor and CD19 also promotes Tyr409 phosphorylation in anbles the coupling of PI3 tyrosine kinase to GD19 minunity 6, 107-18. 2. Buhl, A.M. and Cambier, J.C. (1999) / Immunol 162, 4438-46. 3. Fujimoto, M. et al. (1090) Immunity 8, 435-45. 5. Sato, S. et al. (1997) Proc Natl Acad Sci U S A94, 13158-62.Species ReactivitySpecies reactivity is determined by testing in at least one approved application (e) | Dilution 1:160 1:160 bis product is stable to Do not freeze. CD19 protein. This y chromatography. dye removed from the or direct flow |
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| Species Reactivity Species reactivity is determined by testing in at least one approved application (e. | |
| | .g., western blot). |
| Applications Key FC-FP: Flow Cytometry (Fixed/Permeabilized) FC-L: Flow Cytometry (Live) | |
| Cross-Reactivity Key M: Mouse | |
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