

Technical Data Sheet

FlowMAb PE anti-human CD19



Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

Lot Specific Information

Lot Number: Lot Specific*
Volume: Lot Specific*
Concentration: Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein: Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number: FM0281-PE
Clone: 4G7
Isotype: Mouse IgG1
Conjugation: PE
Excitation Source: Yellow-Green 488 nm, 532 nm, 561 nm
Excitation Max: 496 nm, 566 nm
Emission Max: 576 nm
Immunogen: Human chronic lymphocytic leukemia (CLL) cells
Reported Applications: Flow cytometry Immunofluorescence
Formulation: PBS, pH 7.0
Contains 0.09% Sodium Azide
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_2687804](https://rrid.info/AB_2687804)

Description

The 4G7 monoclonal antibody reacts with human CD19, a B cell-specific 95 kDa transmembrane glycoprotein of the immunoglobulin superfamily. CD19 contains two extracellular immunoglobulin-like domains and an extensive cytoplasmic tail. It functions as a positive regulator of B-cell receptor signaling in conjunction with CD21 and CD81. CD19 is highly expressed in most lymphomas and leukemias, including some early B-cell malignancies that do not express CD20. CD19 is emerging as an attractive alternative target for the immunotherapy of lymphoproliferative disorders. This R-phycoerythrin (R-PE or PE)-conjugated version of the antibody is useful for flow cytometry and immunofluorescence applications.

Storage

Store at the stock concentration at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Protocol Information

It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

Application References

For a complete list of references, visit https://bioxcell.com/fm0281-pe?bxcs=9k1b3a#tab_references or scan the QR code below.



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