



Mouse anti-Human CD19 mAb, Purified

Product Data Sheet

PRODUCT INFORMATION

Catalog#/Size : GMH019Z-025/ 25 ug
GMH019Z-100/100 ug

Clone: CB19

Isotype: Mouse IgG1

Reactivity: Human

Formulation: Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.1% (w/v)

Storage: 4°C for short storage and -20°C for long period.

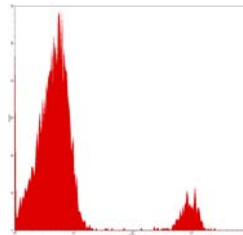
DESCRIPTION

CB19 monoclonal antibody reacts with CD19 (B4), a 90 kDa molecule, which is expressed on approximately 5-25% of human peripheral blood lymphocytes. CD19 antigen is present on human B lymphocytes at most stages of maturation, from the earliest Ig gene rearrangement in pro-B cells to mature cell, as well as malignant B cells, but is lost on maturation to plasma cells. CD19 antibody does not react with T lymphocytes, monocytes and granulocytes. CD19 is a critical signal transduction molecule that regulates B lymphocyte development, activation and differentiation.

APPLICATION AND USAGE

Applications: FC, IF, IHC

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. It is recommended that the antibody be titrated for optimal performance in the assay of interest.



Normal human peripheral blood lymphocytes analyzed with PE-Cy5 CD19 (CB19) mAb.

RELATED PRODUCTS

Catalog#	Product Name	Applications
GMH019F	Mouse anti-Human CD19, FITC	FC
GMH019P	Mouse anti-Human CD19, PE	FC
GMH019C	Mouse anti-Human CD19, PE-Cy5	FC
GMH019B	Mouse anti-Human CD19, Biotin	FC
GMK901Z	Mouse IgG1 Isotype control, Purified	FC

REFERENCE

- Nadler, LM et al. (1983) J. Immunol. **131**:244
- Schlossman, SL et al., eds. (1995) *Leucocyte Typing V: White Cell Differentiation Antigens*, Oxford University Press, New York.
- Tedder T et al. (1994) Immunol Today. **15**:437-44.