

CD19 (4G7)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
FITC	50	5	250	4029012
	100	5	500	4029015
APC	50	5	250	4029042
	100	5	500	4029045
PE-Cyanine7	50	5	250	4029082
	100	5	500	4029085
APC-iFluor™ 700	50	5	250	4029172
	100	5	500	4029175
iFluor™ 700	50	5	250	4029192
	100	5	500	4029195
PerCP-Cyanine5.5	50	5	250	4029062
	100	5	500	4029065
iFluor488	50	5	250	4029112
	100	5	500	4029115

❖ iFluor is a trademark of AAT Bioquest, Inc.

Antigen:	CD19
Immunogen:	Human chronic lymphocytic leukemia cells
Host/Isotype:	Mouse, IgG1,κ
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry.

Antigen Information

The clone 4G7 recognizes a 90-kDa CD19 antigen that is present on human B lymphocytes. The CD19 antigen is present on approximately 7 to 23% of human peripheral blood lymphocytes at all stages of B cell maturation but is lost on terminally differentiated plasma cells. CD19 does not react with resting or activated T lymphocytes, granulocytes, or monocytes.

References

1. Kugler M, et al. 2009. *Protein Eng Des Sel.* 22:135.
2. Lemmers B, et al. 2000. *Leukemia.* 14:2103.
3. Meeker TC, et al. 1984. *Hybridoma.* 3:305.
4. Strickler JG, et al. 1988. *Cancer.* 61:1782.

*Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.