Caprico Biotechnologies

TECHNICAL DATA SHEET

CD20 (2H7)

Type	Size	Catalog number
Unconjugated	100µg	103701
	500µg	103703
FITC	25 tests	103714
	100 tests	103715
	200 tests	103716
PE	25 tests	103724
	100 tests	103725
	200 tests	103726
APC	25 tests	103744
	100 tests	103745
	200 tests	103746
PerCP	25 tests	103734
	100 tests	103735
	200 tests	103736
APC-Cyanine 7	25 tests	103794
	100 tests	103795
	200 tests	103796
APC-iFluor™ 750	25 tests	1037104
	100 tests	1037105
	200 tests	1037106
iFluor™ 647	25 tests	1037124
	100 tests	1037125
	200 tests	1037126
PerCP-Cyanine 5.5	25 tests	103764
	100 tests	103765
	200 tests	103766
Biotin	100µg	103751

❖ iFluor is a trademark of AAT Bioquest, Inc.

Antigen: CD20
Immunogen: Human tonsillar B cells
Host/Isotype: Mouse, IgG2b, κ
Reactivity: Human, Rhesus, Cynomolgus, Baboon
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09%NaN_3 (unconjugated, Biotin)
PBS, pH7.2, 0.09% NaN_3 and 0.2% (w/v) BSA (conjugated)
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry

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Application Information

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Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance. Non-human primate cross-reactivity has been validated using Caprico's PerCP conjugated clone 2H7 product.

Antigen Information

Antibody clone 2H7 recognizes the large extracellular loop of human CD20, mapped to the peptide sequence YNCEPANPSEKNSPST. CD20, a 33-36 kDa non-glycosylated type 1 transmembrane protein, is expressed by developing, resting and mature B cells, some follicular dendritic cells, and a small subset of mature T cells. B cell CD20 expression is lost upon differentiation into plasma cells. Functionally, CD20 activation contributes to B cell activation, proliferation, and differentiation.

References

1. Clark EA, et al. 1985. Proc Natl Acad Sci USA. 82:1766.
2. Ledbetter JA & Clark EA. 1986. Human Immunol. 15:30.
3. McMichael A, et al. 1987. Leucocyte Typing III. Oxford University Press. New York
4. Knapp W, et al. 1989 Leucocyte Typing IV. Oxford University Press. New York
5. Schlossman S, et al. 1995 Leucocyte Typing V. Oxford University Press. New York

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.

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