

## CD20 (2H7)

### Analyte Specific Reagent (ASR)\*

| Type            | Number of tests | Volume per test (μL) | Total volume (μL) | Catalog number |
|-----------------|-----------------|----------------------|-------------------|----------------|
| FITC            | 50              | 5                    | 250               | 4037012        |
|                 | 100             | 5                    | 500               | 4037015        |
| APC             | 50              | 5                    | 250               | 4037042        |
|                 | 100             | 5                    | 500               | 4037045        |
| APC-Cyanine7    | 50              | 5                    | 250               | 4037092        |
|                 | 100             | 5                    | 500               | 4037095        |
| APC- iFluor™700 | 50              | 5                    | 250               | 4037172        |
|                 | 100             | 5                    | 500               | 4037175        |
| PE-CF594        | 50              | 5                    | 250               | 4037202        |
|                 | 100             | 5                    | 500               | 4037205        |

❖ iFluor is a trademark of AAT Bioquest, Inc.

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Antigen:</b>      | CD20                                                                                                                           |
| <b>Immunogen:</b>    | Human tonsillar B cells                                                                                                        |
| <b>Host/Isotype:</b> | Mouse, IgG2b, κ                                                                                                                |
| <b>Reactivity:</b>   | Human, Rhesus, Cynomolgus, Baboon                                                                                              |
| <b>Purity:</b>       | >90% pure tested via polyacrylamide gel electrophoresis (PAGE)                                                                 |
| <b>Formulation:</b>  | PBS, pH7.2, 0.09%NaN <sub>3</sub> (unconjugated, Biotin)<br>PBS, pH7.2, 0.09% NaN <sub>3</sub> and 0.2% (w/v) BSA (conjugated) |
| <b>Storage:</b>      | Store at 2-8°C and protected from prolonged exposure to light. <b>Do not freeze.</b>                                           |
| <b>Applications:</b> | Flow Cytometry                                                                                                                 |

### 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

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