

## Product Datasheet

### CD19 antibody (orb348913)

|                            |                                                                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | Rabbit monoclonal antibody to CD19                                                                                                                                                                                                                                       |
| <b>Species/Host</b>        | Mouse                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>          | Human                                                                                                                                                                                                                                                                    |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                                                                                                             |
| <b>Tested Applications</b> | Blocking, FC, IF, IHC, IP, SBR                                                                                                                                                                                                                                           |
| <b>Immunogen</b>           | Cells from a hairy cell leukemia patient.                                                                                                                                                                                                                                |
| <b>Target</b>              | CD19                                                                                                                                                                                                                                                                     |
| <b>Preservatives</b>       | PBS with 0.02% Proclin 300.                                                                                                                                                                                                                                              |
| <b>Concentration</b>       | 1 mg/ml                                                                                                                                                                                                                                                                  |
| <b>Storage</b>             | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.                                                                                                                                                                                         |
| <b>Note</b>                | For research use only                                                                                                                                                                                                                                                    |
| <b>Application notes</b>   | This antibody binds to CD19 and is able to inhibit B-cell activation (Pezutto 1987). This antibody was measured to have a KD of $4.1 \pm 0.3$ nM against human CD19 and did not compete with clone FMC63 (available as Ab00613) (Sakemura et al., 2023; PMID: 37879074). |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                                      |
| <b>Clonality</b>           | Monoclonal                                                                                                                                                                                                                                                               |
| <b>Purity</b>              | Purified                                                                                                                                                                                                                                                                 |
| <b>Uniprot ID</b>          | <b>P15391</b>                                                                                                                                                                                                                                                            |
| <b>Expiration Date</b>     | 12 months from date of receipt.                                                                                                                                                                                                                                          |