# Pacblue Rat Anti-Mouse CD19

Purified Pacblue-conjugated Recombinant Rat Monoclonal Antibody

Catalog # F210902

## Product Information

| | |
|---|---|
| Application | FC |
| Recommended Usage | 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. |
| Reactivity | Mouse |
| Host | Rat |
| Clonality | Monoclonal |
| Clone No. | 76M11N38 |
| Isotype | IgG2a, κ |
| Label | PacBlue (Ex/Em: 410/455 nm) |
| Immunogen | Recombinant protein of mouse CD19 |
| Format | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA. |
| Storage | Shipped on wet ice. Store undiluted between 2℃ and 8℃ and protected from prolonged exposure to light. Do not freeze. |
| Precautions | Pacblue Rat Anti-Mouse CD19 [76M11N38] is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

| | |
|---|---|
| Synonyms | CD19; B-lymphocyte antigen CD19; Differentiation antigen CD19; Cd19. |
| Uniprot ID | P25918 |
| Gene ID | 12478 |
| Background | Involved in several processes, including B cell activation; positive regulation of release of sequestered calcium ion into cytosol; and regulation of signal transduction. Acts upstream of or within B cell receptor signaling pathway. Located in external side of plasma membrane. Is expressed in liver and spleen. Human ortholog(s) of this gene implicated in common variable immunodeficiency 3. Orthologous to human CD19 (CD19 molecule). [provided by Alliance of Genome Resources, Jun 2026] |
| Cellular Location | Cell membrane; Single-pass type I membrane protein. Membrane raft; Single-pass type I membrane protein. |
| Tissue Location | Detected on B cells in spleen, bone marrow, thymus and lymph nodes (PubMed:12387743, PubMed:20101619, PubMed:7542548). Detected on peripheral blood lymphocytes (at protein level) (PubMed:7543183). |