RF647 Rat Anti-Mouse CD19

Purified RF647-conjugated Recombinant Rat Monoclonal Antibody

Catalog # F210916

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	RF647 (Ex/Em: 650/671 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	RF647 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).