

IgM Monoclonal Antibody (eB121-15F9), PE, eBioscience™

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Human, Mouse
Host / Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	eB121-15F9
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_466012

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	16 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication

Product Specific Information

Description: The eB121-15F9 monoclonal antibody reacts with the mu heavy chain of mouse IgM. It does not react with other classes of mouse immunoglobulin including IgD, IgG or IgA. IgM is expressed intracellularly, during early stages of B lymphopoiesis, and then on the surface of more mature B cells in the bone marrow and peripheral B cells. Fluorochrome conjugated eB121-15F9 can be used as a detection secondary for mouse IgM. **Applications Reported:** eB121-15F9 has been reported for use in flow cytometric analysis to detect the surface IgM on mouse B cells and as a second step to detect primary mouse IgMs.

Applications Tested: The eB121-15F9 antibody has been tested by flow cytometric analysis to detect the surface IgM on mouse B cells and can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁴ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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