

CD45 Monoclonal Antibody (30-F11), NovaFluor Blue 555, eBioscience™

| Product Details | |
|--------------------|-------------------------------------|
| Size | 25 µg |
| Species Reactivity | Mouse |
| Host/Isotype | Rat / IgG2b, kappa |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 30-F11 |
| Conjugate | NovaFluor™ Blue 555 |
| Form | Liquid |
| Concentration | 0.1 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! |

| Applications | Tested Dilution | Publications |
|-----------------------|-----------------|--------------|
| Flow Cytometry (Flow) | 0.2 µg/test | - |

Product Specific Information

Description: The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays an important role in activation of lymphocytes.

Applications Reported: This 30-f11 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 30-f11 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This may be used at less than or equal to 0.2 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

NovaFluor dyes are not compatible with DNA intercalating viability dyes. Do not use viability dyes such as propidium iodide, 7-actinomycin D (7-AAD) and DAPI. Invitrogen LIVE/DEAD Fixable Dead Cell stains are recommended for use with NovaFluor dyes.

Each NovaFluor conjugate or kit is shipped with CellBlox Blocking Buffer. Use this buffer whenever staining with NovaFluor conjugates, including single-color compensation controls using cells. Use 5 µL of CellBlox Blocking Buffer per stained cell sample containing 10³ to 10⁸ cells.

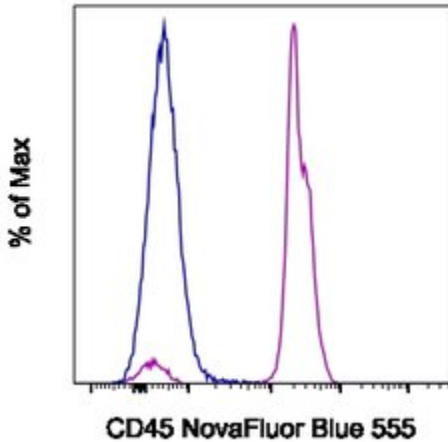
Excitation: 496 nm; **Emission:** 555 nm; **Laser:** 488 nm (Blue) Laser

NovaFluor conjugates are based on Phiton™ technology utilizing novel nucleic acid dye structures that allow for engineered fluorescent signatures with consideration for spillover and spread impacts. Learn more

Product Images For CD45 Monoclonal Antibody (30-F11), NovaFluor Blue 555, eBioscience™

CD45 Antibody (M005T02B03) in Flow

C57BL/6 mouse splenocytes were either left unstained (blue histogram) or stained with 0.2 µg of CD45 Monoclonal Antibody, NovaFluor Blue 555 (Product # M005T02B03) (purple histogram) and acquired in the B3 channel on a 5-laser Cytex Aurora. Cells in the lymphocyte gate were used in the analysis.



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