

# CD45 Monoclonal Antibody (30-F11), NovaFluor Blue 530, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	NovaFluor™ Blue 530
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 10<sup>5</sup> to 10<sup>8</sup> 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 10<sup>3</sup> to 10<sup>8</sup> cells.

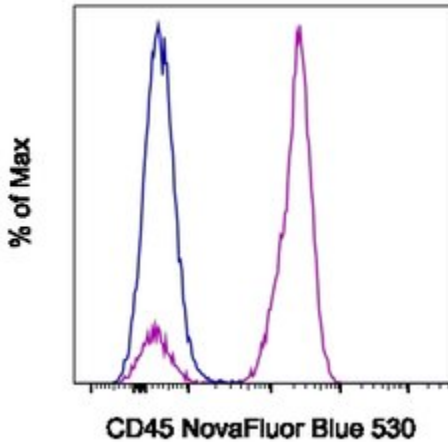
Excitation: 509 nm; Emission: 530 nm; Laser: 488 nm (Blue) Laser

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 530, eBioscience™

### CD45 Antibody (M005T02B02) in Flow

C57BL/6 mouse splenocytes were either left unstained (blue histogram) or stained with 0.2 µg of CD45 Monoclonal Antibody, NovaFluor Blue 530 (Product # M005T02B02) (purple histogram) and acquired in the B2 channel on a 5-laser Cytex Aurora. Cells in the lymphocyte gate were used in the analysis.



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