

# CD19 Monoclonal Antibody (HIB19), NovaFluor Yellow 570, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	HIB19
Conjugate	NovaFluor™ Yellow 570
Form	Liquid
Concentration	0.6 µL/Test
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)	5 µL (0.6 µg)/test	-

## Product Specific Information

**Description:** The HIB19 monoclonal antibody reacts with human CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, Leu13, MHC class II, and CD19 form a multimolecular complex that associates with BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux and proliferation of B cells. The SJ25C1 antibody and the HIB19 monoclonal antibody recognize overlapping epitopes.

**Applications Reported:** This HIB19 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This HIB19 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 4 µL (0.6 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.

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.

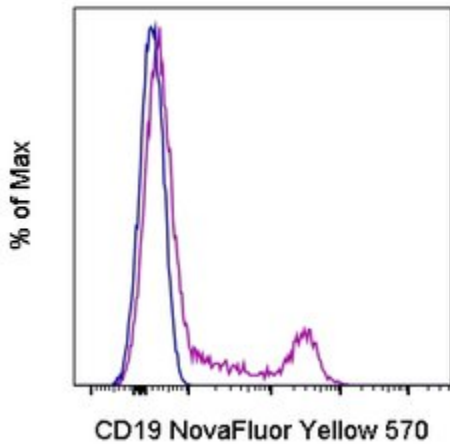
Excitation: 568 nm; Emission: 568 nm; Laser: 561 nm (Yellow) Laser

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 CD19 Monoclonal Antibody (HIB19), NovaFluor Yellow 570, eBioscience™

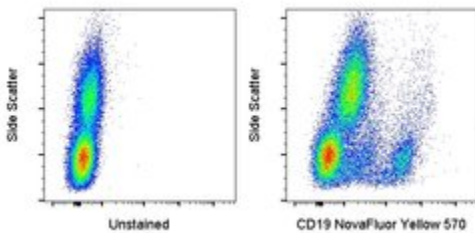
### CD19 Antibody (H004T03Y01) in Flow

Normal human peripheral blood cells were either left unstained (blue histogram) or stained with CD19 Monoclonal Antibody, NovaFluor Yellow 570 (Product # H004T03Y01) (purple histogram) and acquired in the YG1 channel on a 5-laser Cytex Aurora. Cells in the lymphocyte gate were used in the analysis.



### CD19 Antibody (H004T03Y01) in Flow

Staining of normal human peripheral blood cells with side scatter and unstained (left) or CD19 Monoclonal Antibody, NovaFluor Yellow 570 (Product # H004T03Y01) (right). Data was acquired in the YG1 channel on a 5-laser Cytex Aurora and singlet cells were used for analysis.



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