

CD19 Monoclonal Antibody (HIB19), Alexa Fluor™ 660, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIB19
Conjugate	Alexa Fluor™ 660
Excitation/Emission Max	663/691 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2896252

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	-

Product Specific Information

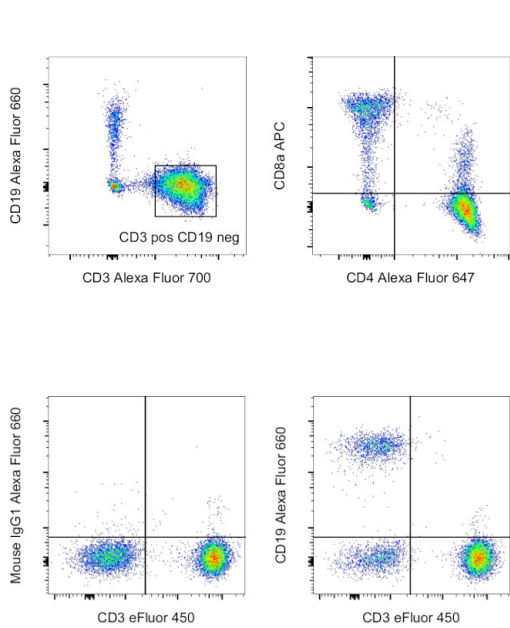
Description: The HIB19 monoclonal antibody reacts with human CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, Leu13, MHC class 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-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (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 10⁵ to 10⁸ cells/test.

Alexa Fluor 660 emits at 690 nm and is intended for use on spectral cytometers where it may be multiplexed with APC, Alexa Fluor 647 and Alexa Fluor 700.

Excitation: 662 nm; Emission: 690 nm; Laser: Red Laser



CD19 Antibody (606-0199-41) in Flow

Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, Alexa Fluor 700 (Product # 56-0038-42), CD8a Monoclonal Antibody, APC (Product # 17-0086-42), CD4 Monoclonal Antibody, Alexa Fluor 647 (Product # 51-0049-42) and CD19 Monoclonal Antibody, Alexa Fluor 660. Cells in the lymphocyte gate were used for analysis and first gated on CD3 positive /CD19 negative cells (top left). CD3 positive cells were analyzed for their expression of CD4 and CD8 (right). This data was collected on a 5-laser Cytex Aurora full spectral cytometer. As shown here, Alexa Fluor 660 is compatible with Alexa Fluor 647 and Alexa Fluor 700 when proper panel design principles are applied.

CD19 Antibody (606-0199-41) in Flow

Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, eFluor 450 (Product # 48-0038-42) and Mouse IgG1 kappa Isotype Control, Alexa Fluor 660 (Product # 606-4714-81) (left) or CD19 Monoclonal Antibody, Alexa Fluor 660 (right). Viable cells in the lymphocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50). This data was collected on a 5-laser Cytex Aurora full spectral cytometer.

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