

# CD19 Monoclonal Antibody (SJ25C1), Alexa Fluor™ 532, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 532, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SJ25C1
Conjugate	Alexa Fluor™ 532
Excitation/Emission Max	534/553 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_11219076

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	11 Publications

## Product Specific Information

**Description:** The SJ25C1 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 this molecule. CD19, along with CD21, CD81, Leu13, and MHC class II, form a multimolecular complex that associates with the 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 SJ25C1 antibody has been reported for use in flow cytometric analysis.

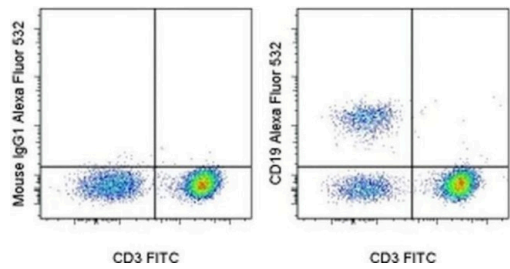
**Applications Tested:** This SJ25C1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Alexa Fluor® 532 is excited with the Green laser (532 nm) and emits at 561 nm. This cannot be used with the Yellow-Green laser (561 nm). We recommend using a 560/14 band pass filter. Please make sure that your instrument is capable of detecting

this fluorochrome.

Excitation: 532 nm; Emission: 561 nm; Laser: Green Laser

Product Images For CD19 Monoclonal Antibody (SJ25C1), Alexa Fluor™ 532, eBioscience™



**CD19 Antibody (58-0198-41) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (Product # 11-0038-42) and Mouse IgG1 K Isotype Control Alexa Fluor® 532 (Product # 58-4714-80) (left) or Anti-Human CD19 Alexa Fluor® 532 (right). Cells in the lymphocyte gate were used for analysis.

View more figures on [thermofisher.cn](https://thermofisher.cn)

12 References

Immunohistochemistry (1)

<p>Nature communications</p> <p><b>Innate-like self-reactive B cells infiltrate human renal allografts during transplant rejection.</b></p> <p>"Published figure using CD19 monoclonal antibody (Product # 58-0198-41) in Immunohistochemistry"</p> <p>Authors: Asano Y,Daccache J,Jain D,Ko K,Kinloch A,Veselits M,Wolfgeher D,Chang A,Josephson M,Cunningham P, Tambur A,Khan AA,Pillai S,Chong AS,Clark MR</p>	<p>Year</p> <p>2021</p>
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Flow Cytometry (11)

<p>Biomolecules</p> <p><b>Tyrosine Kinase Inhibitors Target B Lymphocytes.</b></p> <p>"Published figure using CD19 monoclonal antibody (Product # 58-0198-41) in Flow Cytometry"</p> <p>Authors: Upfold NLE,Petakh P,Kamyshnyi A,Oksenyich V</p>	<p>Year</p> <p>2023</p>
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<p>Indian journal of pharmacology</p> <p><b>Evaluation of peripheral lymphocyte subsets in acne vulgaris patients before and after systemic isotretinoin treatment.</b></p> <p>"Published figure using CD19 monoclonal antibody (Product # 58-0198-41) in Flow Cytometry"</p> <p>Authors: Gunaydin SD,Tezcan I</p>	<p>Year</p> <p>2022</p>
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