

# CD15 Monoclonal Antibody (HI98), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgM, kappa
Class	Monoclonal
Type	Antibody
Clone	HI98
Conjugate	PE
Excitation/Emission Max	565/576 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_11219674

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	2 Publications

## Product Specific Information

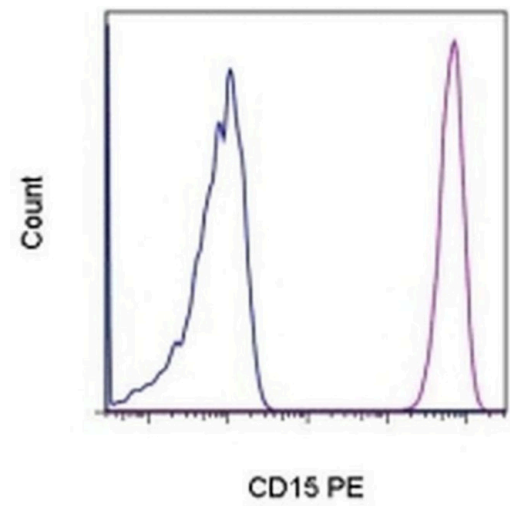
**Description:** The HI98 monoclonal antibody reacts with human CD15, Lewis X. This 3-fucosyl-N-acetyllactosamine carbohydrate moiety is expressed by granulocytes. Monocytes express this structure at varying degree while lymphocytes are negative.

**Applications Reported:** This HI98 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This HI98 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.

**Excitation:** 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



**CD15 Antibody (12-0159-42) in Flow**  
Staining of normal human peripheral blood cells with Mouse IgM Isotype Control PE (blue histogram) or Anti-Human CD15 PE (purple histogram). Cells in the granulocyte gate were used for analysis.

2 References

Flow Cytometry (2)

<p>Breast cancer research and treatment</p> <p><b>A high-risk luminal A dominant breast cancer subtype with increased mobility.</b></p> <p>"Published figure using CD15 monoclonal antibody (Product # 12-0159-42) in Flow Cytometry"</p> <p>Authors: Guo L,Chen G,Zhang W,Zhou L,Xiao T,Di X,Wang Y,Feng L,Zhang K</p>	<p>Year</p> <p>2019</p>
<p>Nature biotechnology</p> <p><b>High-throughput measurement of single-cell growth rates using serial microfluidic mass sensor arrays.</b></p> <p>"12-0159 was used in Flow cytometry/Cell sorting to reveal subpopulations of cells with divergent growth kinetics and assess cellular responses to antibiotics and antimicrobial peptides within minutes."</p> <p>Authors: Cermak N,Olcum S,Delgado FF,Wasserman SC,Payer KR,A Murakami M,Knudsen SM,Kimmerling RJ, Stevens MM,Kikuchi Y,Sandikci A,Ogawa M,Agache V,Bal��ras F,Weinstock DM,Manalis SR</p>	<p>Year</p> <p>2016</p> <p>Species</p> <p>Human</p>

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