

HLA-DR Monoclonal Antibody (LN3), eFluor 506, eBioscience™

Product Details

Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	LN3
Conjugate	eFluor™ 506
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_2762584

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	4 Publications

Product Specific Information

Description: The LN3 mAb reacts with the human major histocompatibility complex (MHC) class II, HLA-DR. HLA-DR is expressed on the surface of human antigen presenting cells (APC) including B cells, monocytes, macrophages, DCs, and activated T cells. HLA-DR is a heterodimeric transmembrane protein composed of alpha and beta subunits and plays an important role in the presentation of peptides to CD4⁺ T lymphocytes.

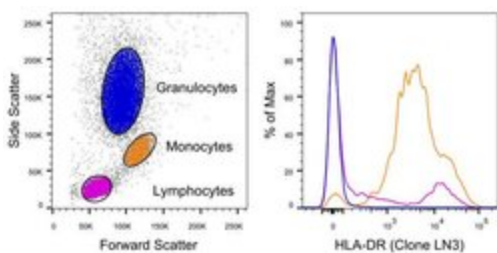
Applications Reported: This LN3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This LN3 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.

eFluor™ 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 band pass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 506 nm; Laser: Violet Laser

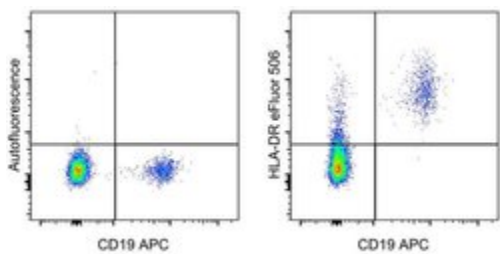
Advanced Verification Data



HLA-DR Antibody (69-9956-42)

Staining of human peripheral blood cells. As expected based on known relative expression patterns, HLA-DR clone LN3 stains monocytes and a subset of lymphocytes (B cells) but does not stain granulocytes. Details: Normal human whole blood was surface stained with HLA-DR (clone LN3). After staining, red blood cells were lysed using 1-step Fix/Lyse Buffer. Cells in the lymphocyte (purple histogram), monocyte (orange histogram), or granulocyte (blue histogram) gates were used for analysis of HLA-DR staining. Relative expression validation info.

Product Images For HLA-DR Monoclonal Antibody (LN3), eFluor 506, eBioscience™



HLA-DR Antibody (69-9956-42) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, APC (Product # 17-0199-42) and Autofluorescence (left) or HLA-DR Monoclonal Antibody, eFluor 506 (right). Cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.com

5 References

Immunohistochemistry (1)

Cells

Aquaporin-4 Expression during Toxic and Autoimmune Demyelination.

"Published figure using HLA-DR monoclonal antibody (Product # 69-9956-42) in Immunohistochemistry"

Authors: Rohr SO, Greiner T, Joost S, Amor S, Valk PV, Schmitz C, Kipp M

Species

Not Applicable

Dilution

Not Cited

Year

2020

Flow Cytometry (4)

Journal of translational medicine

Connecting METTL3 and intratumoural CD33⁺ MDSCs in predicting clinical outcome in cervical cancer.

"Published figure using HLA-DR monoclonal antibody (Product # 69-9956-42) in Flow Cytometry"

Authors: Ni HH, Zhang L, Huang H, Dai SQ, Li J

Species

Not Applicable

Dilution

Not Cited

Year

2020

PLoS pathogens

Gene expression network analyses during infection with virulent and avirulent *Trypanosoma cruzi* strains unveil a role for fibroblasts in neutrophil recruitment and activation.

"Published figure using HLA-DR monoclonal antibody (Product # 69-9956-42) in Flow Cytometry"

Authors: Oliveira AER, Pereira MCA, Belew AT, Ferreira LRP, Pereira LMN, Neves EGA, Nunes MDCP, Burleigh BA, Dutra WO, El-Sayed NM, Gazzinelli RT, Teixeira SMR

Species

Not Applicable

Dilution

Not Cited

Year

2020

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.