

# HLA-DR Monoclonal Antibody (LN3), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	LN3
Conjugate	APC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10670347

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.0075 µg)/test	30 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<sup>+</sup> T lymphocytes.

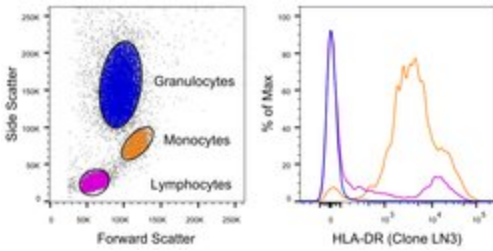
**Applications Reported:** The LN3 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** The LN3 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.0075 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:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

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

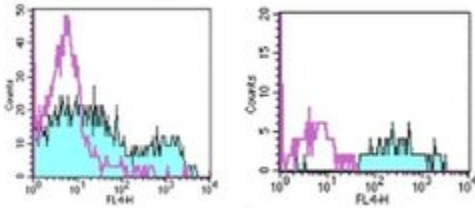
## Advanced Verification Data



### HLA-DR Antibody (17-9956-42)

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), APC, eBioscience™



### HLA-DR Antibody (17-9956-42) in Flow

Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or Anti-Human HLA-DR APC (filled histogram). Cells in the lymphocyte (left) or monocyte (right) gate were used for analysis.

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## Flow Cytometry (30)

Journal of translational medicine

### Connecting METTL3 and intratumoural CD33<sup>+</sup> MDSCs in predicting clinical outcome in cervical cancer.

"17-9956 was used in Flow cytometry/Cell sorting to explore the associations between the levels of methyltransferase-like 3(METTL3) and CD33+ myeloid-derived suppressor cells (MDSCs) in tumour tissues and the survival of patients with cervical cancer (CC)."

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

**Species**  
Human  
Not Applicable

**Dilution**  
Not Cited  
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 # 17-9956-42) in Flow Cytometry"

Authors: Oliveira AER,Pereira MCA,Belew AT,Ferreira LRP,Pereira LMN,Neves EGA,Nunes MDGP,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](#)

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