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
Excitation/Emission Max	651/660 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_10670347

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.0075 µg)/test	36 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.

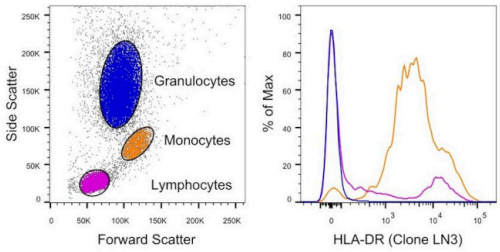
Applications Reported: The LN3 antibody has been reported for use in flow cytometric analysis.

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 10^5 to 10^8 cells/test.

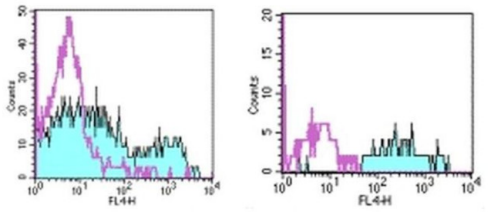
Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



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. {RE}



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.

View more figures on thermofisher.cn

37 References

Immunohistochemistry (Frozen) (1)

Acta neuropathologica communications

Brain macrophages acquire distinct transcriptomes in multiple sclerosis lesions and normal appearing white matter.

"17-9956-42 was used in Immunohistochemistry (Frozen) to characterize early changes in multiple sclerosis brain tissue, identifying specific microglia and macrophage subsets at different stages of demyelinating lesions."

Authors: Miedema A,Gerrits E,Brouwer N,Jiang Q,Kracht L,Meijer M,Nutma E,Peferoen-Baert R,Pijnacker ATE, Wesseling EM,Wijering MHC,Gabius HJ,Amor S,Eggen BJL,Kooistra SM

Year
2022

Species
Human

Dilution
1:750

Flow Cytometry (36)

NPJ vaccines

New GMP manufacturing processes to obtain thermostable HIV-1 gp41 virosomes under solid forms for various mucosal vaccination routes.

"Published figure using HLA-DR monoclonal antibody (Product # 17-9956-42) in Flow Cytometry"

Authors: Amacker M,Smardon C,Mason L,Sorrell J,Jeffery K,Adler M,Bhoelan F,Belova O,Spengler M,Punnamoottil B, Schwaller M,Bonduelle O,Combadière B,Stegmann T,Naylor A,Johnson R,Wong D,Fleury S

Year
2021

Cell reports. Medicine

Activated $CD4^+$ T cells and $CD14^{hi}CD16^+$ monocytes correlate with antibody response following influenza virus infection in humans.

"Published figure using HLA-DR monoclonal antibody (Product # 17-9956-42) in Flow Cytometry"

Authors: Wong SS,Oshansky CM,Guo XJ,Ralston J,Wood T,Reynolds GE,Seeds R,Jelley L,Waite B,Jeevan T,Zanin M, Widdowson MA,Huang QS,Thomas PG,Webby RJ

Year
2021

View more Flow references on thermofisher.cn

More applications with references on thermofisher.cn

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