

HLA-DR Monoclonal Antibody (LN3), FITC, 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), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	LN3
Conjugate	FITC
Excitation/Emission Max	498/517 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_2572544

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	28 Publications
ELISA (ELISA)	-	1 Publication

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.

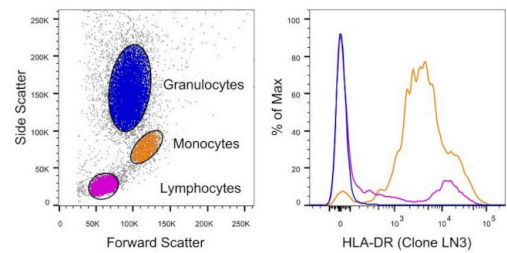
Applications Reported: This LN3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This LN3 antibody has been pre-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 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

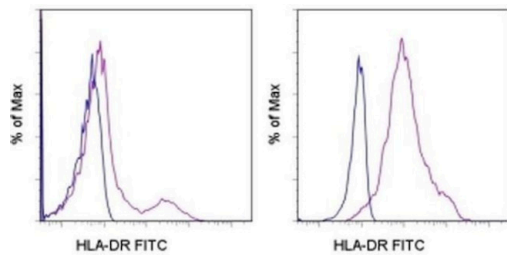
Filtration: 0.2 µm post-manufacturing filtered.

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



HLA-DR Antibody (11-9956-42)

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 (11-9956-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG2b K Isotype Control FITC (Product # 11-4732-42) (blue histogram) or Anti-Human HLA-DR FITC (purple histogram). Cells in the lymphocyte (left) or monocyte (right) gate were used for analysis.

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Immunohistochemistry (4)

Antioxidants (Basel, Switzerland)	Year 2021
Dimethyl Fumarate, an Approved Multiple Sclerosis Treatment, Reduces Brain Oxidative Stress in SIV-Infected Rhesus Macaques: Potential Therapeutic Repurposing for HIV Neuroprotection.	
"Published figure using HLA-DR monoclonal antibody (Product # 11-9956-42) in Immunohistochemistry"	
Authors: Garcia-Mesa Y,Xu HN,Vance P,Gruenewald AL,Garza R,Midkiff C,Alvarez-Hernandez X,Irwin DJ,Gill AJ, Kolson DL	
Nature communications	Year 2020
Gene expression and functional deficits underlie TREM2-knockout microglia responses in human models of Alzheimer's disease.	
"Published figure using HLA-DR monoclonal antibody (Product # 11-9956-42) in Immunohistochemistry"	
Authors: McQuade A,Kang YJ,Hasselmann J,Jairaman A,Sotelo A,Coburn M,Shabestari SK,Chadarevian JP,Fote G,Tu CH,Danhash E,Silva J,Martinez E,Cotman C,Prieto GA,Thompson LM,Steffan JS,Smith I,Davtyan H,Cahalan M,Cho H, Blurton-Jones M	

View more IHC references on thermofisher.com

Immunohistochemistry (Frozen) (2)

Acta neuropathologica communications	Year 2022
Brain macrophages acquire distinct transcriptomes in multiple sclerosis lesions and normal appearing white matter.	
"Published figure using HLA-DR monoclonal antibody (Product # 11-9956-42) in Immunohistochemistry (Frozen)"	
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	
Blood	Year 2012
DNGR-1 is a specific and universal marker of mouse and human Batf3-dependent dendritic cells in lymphoid and nonlymphoid tissues.	Species Human
"11-9956 was used in Immunohistochemistry to investigate the presence of unique markers in human dendritic cells, showing that DNGR-1 is a specific marker of mouse and human dendritic cells in lymphoid and nonlymphoid tissues."	Dilution 1:800
Authors: Poulin LF,Reyal Y,Uronen-Hansson H,Schraml BU,Sancho D,Murphy KM,Håkansson UK,Moita LF,Agace WW, Bonnet D,Reis e Sousa C	

More applications with references on thermofisher.com

- ICC/IF (2)
- Flow (28)
- ELISA (1)

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