

Product Datasheet

HLA-DR Antibody (LN-3)

NBP2-45310-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-45310-0.1mg

HLA-DR Antibody (LN-3)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	LN-3
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47670) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3122
Gene Symbol	HLA-DRA
Species	Human, Monkey, Mouse (Negative)
Reactivity Notes	Does not react with Mouse.
Specificity/Sensitivity	This monoclonal antibody reacts with a 28kDa chain of HLA-DRB1 antigen, a member of MHC class II molecules. It does not cross react with HLA-DP and HLA-DQ. The L243 antibody recognizes a different epitope than the LN3 monoclonal antibody, and these antibodies do not cross-block binding to each others respective epitopes. HLA-DR is a heterodimeric cell surface glycoprotein comprised of a 36kDa alpha (heavy) chain and a 28kDa beta (light) chain. It is expressed on B-cells, activated T-cells, monocytes/macrophages, dendritic cells and other non-professional APCs. In conjunction with the CD3/TCR complex and CD4 molecules, HLA-DR is critical for efficient peptide presentation to CD4+ T cells. It is an excellent histiocytic marker in paraffin sections producing intense staining. True histiocytic neoplasms are similarly positive. HLA-DR antigens also occur on a variety of epithelial cells and their corresponding neoplastic counterparts. Loss of HLA-DR expression is related to tumor microenvironment and predicts adverse outcome in diffuse large B-cell lymphoma.
Immunogen	Activated human peripheral blood mononuclear cells

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml

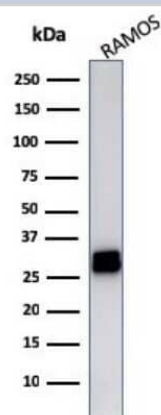


Application Notes

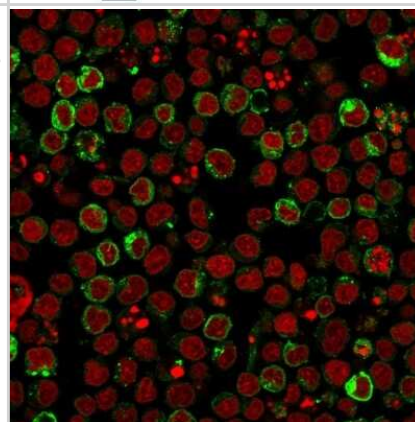
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

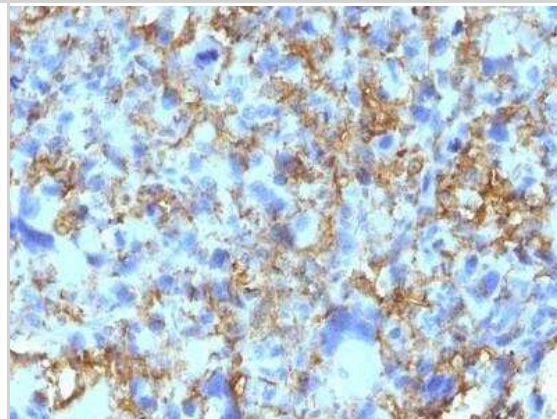
Western Blot: HLA-DR Antibody (LN-3) [NBP2-45310] - Western Blot Analysis of Ramos cell lysate using HLA-DR antibody (LN-3).



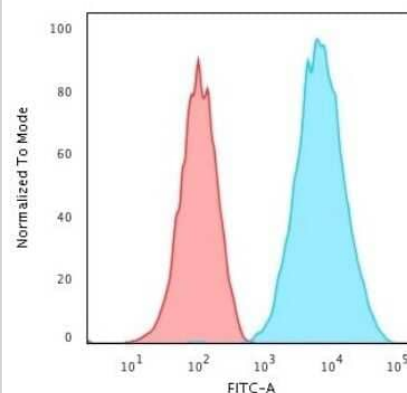
Immunocytochemistry/Immunofluorescence: HLA-DR Antibody (LN-3) [NBP2-45310] - Immunofluorescence staining of Ramos cells using HLA-DR Mouse Monoclonal Antibody (LN-3) followed by goat anti-Mouse IgG-CF488 (green). Nuclei are stained with Reddot.



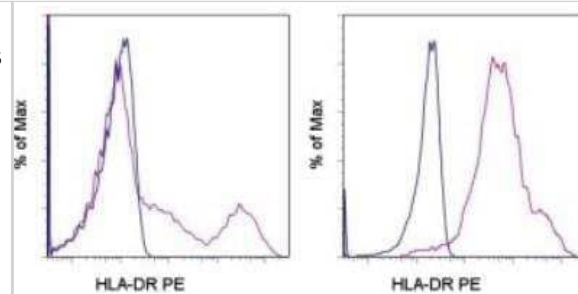
Immunohistochemistry-Paraffin: HLA-DR Antibody (LN-3) [NBP2-45310] - Human Histiocytoma stained with HLA-DRB Monoclonal Antibody (LN-3).



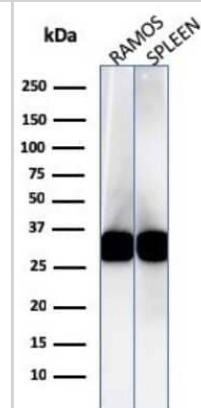
Flow Cytometry: HLA-DR Antibody (LN-3) [NBP2-45310] - Flow Cytometric Analysis of Raji cells. HLA-DR Mouse Monoclonal Antibody (LN-3) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



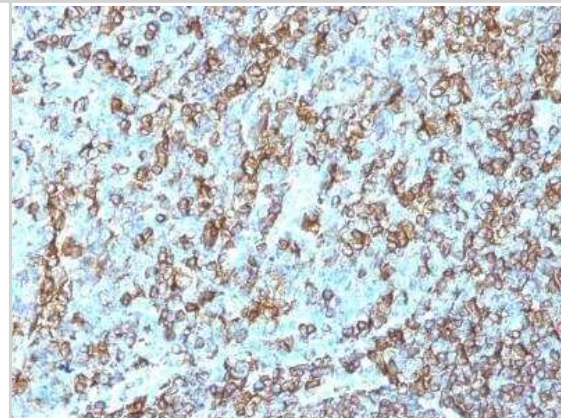
Western Blot: HLA-DR Antibody (LN-3) [NBP2-45310] - Flow Cytometry: HLA-DR Antibody (LN-3) - Azide and BSA Free [NBP2-34676] - Analysis using the PE conjugate of NBP2-34676. Staining of normal human peripheral blood cells with Mouse IgG2b K Isotype Control PE (blue histogram) or Anti-Human HLA-DR PE (purple histogram). Cells in the lymphocyte (left) or monocyte (right) gate were used for analysis.



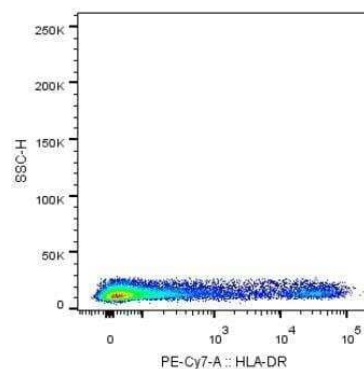
Western Blot: HLA-DR Antibody (LN-3) [NBP2-45310] - Western Blot Analysis of Ramos cell and human spleen lysate using HLA-DR Mouse Monoclonal Antibody (LN-3).



Immunohistochemistry-Paraffin: HLA-DR Antibody (LN-3) [NBP2-45310] - Human Tonsil stained with HLA-DRB Monoclonal Antibody (LN-3).



Flow Cytometry: HLA-DR Antibody (LN-3) [NBP2-45310] - Flow Cytometry: HLA-DR Antibody (LN-3) - Azide and BSA Free [NBP2-34676] - Analysis using the PE/Cy7 conjugate of NBP2-34676. Staining of HLA-DR in human buffy coat using anti-HLA-DR antibody. The primary antibody was used at a dilution of 1:100 and incubated for 25 min at 4C in 2% human serum, 0.5mM EDTA in DPBS. Image from verified customer review.





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Products Related to NBP2-45310-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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