

Product Datasheet

HLA DRB1 Antibody (SPM289)

NBP2-45311-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-45311-0.1mg

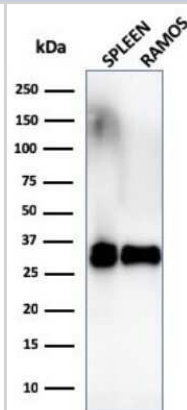
HLA DRB1 Antibody (SPM289)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM289
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	<p>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. (NBP2-34756)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	3123
Gene Symbol	HLA-DRB1
Species	Human
Specificity/Sensitivity	<p>This monoclonal antibody reacts with the beta-chain of HLA-DR 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 SPM289 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.</p>
Immunogen	Activated human peripheral blood mononuclear cells
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 2-4 ug/ml, Immunohistochemistry-Paraffin 1-2 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

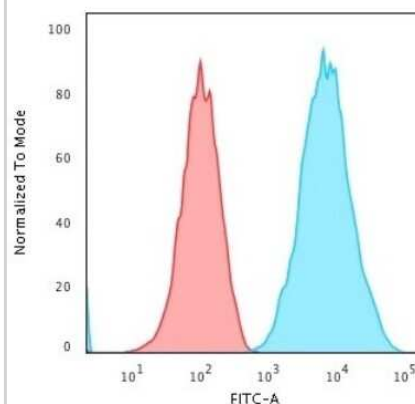
Western Blot: HLA DRB1 Antibody (SPM289) [NBP2-45311] - Western Blot Analysis of Ramos cells and human spleen tissue lysate using HLA DRB1 Antibody (SPM289).



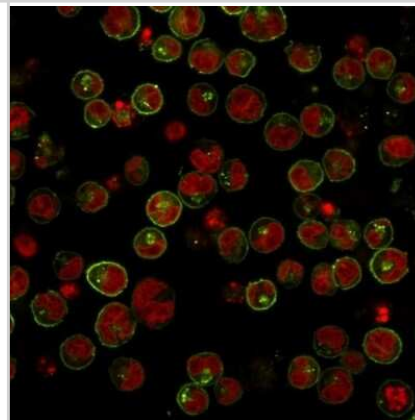
Immunohistochemistry-Paraffin: HLA DRB1 Antibody (SPM289) [NBP2-45311] - Human Tonsil stained with HLA-DRB Monoclonal Antibody (SPM289).



Flow Cytometry: HLA DRB1 Antibody (SPM289) [NBP2-45311] - Flow Cytometric Analysis of human Raji cells using HLA DRB1 Antibody (SPM289). followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunofluorescence: HLA DRB1 Antibody (SPM289) [NBP2-45311] - ICC/IF analysis of Raji cells labeling HLA-DR with conjugated with APC (Green) The nuclear counterstain is Red Dot (Red)





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Products Related to NBP2-45311-0.1mg

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)
NBP2-51599-0.1mg	Recombinant Human, HLA DRB1 His Protein

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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