

Product Datasheet

HLA DRB1 Antibody (SPM423) - IHC-Prediluted NBP2-48123

Unit Size: 7 ml

Store at 4C.

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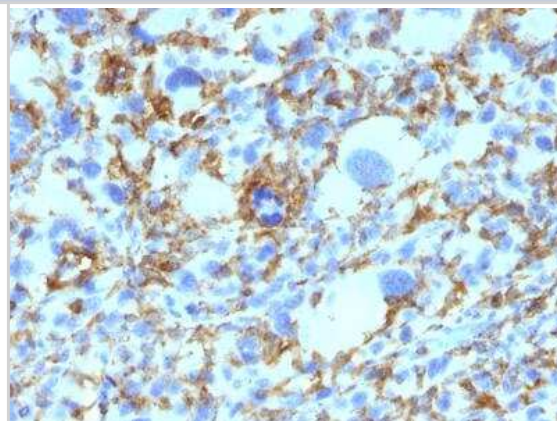
NBP2-48123**HLA DRB1 Antibody (SPM423) - IHC-Prediluted**

Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM423
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	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Mouse
Gene ID	3123
Gene Symbol	HLA-DRB1
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	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Hu-chromosome location: 6p21.3 Molecular weight of antigen: 28kDa (beta chain) Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.



Images

Immunohistochemistry-Paraffin: HLA DRB1 Antibody (SPM423) - IHC-Prediluted [NBP2-48123] - Human Histiocytoma stained with HLA-DR Monoclonal Antibody (SPM423).





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Products Related to NBP2-48123

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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