

Product Datasheet

HLA DRB1 Antibody (L243)

NBP2-45315-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-45315-0.1mg

HLA DRB1 Antibody (L243)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	L243
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Host	Mouse
Gene ID	3123
Gene Symbol	HLA-DRB1
Species	Human, Canine, Chimpanzee, Baboon, Monkey, Squirrel
Specificity/Sensitivity	This monoclonal antibody reacts with the HLA-DRB1 antigen, a member of MHC class II molecules. It does not cross react with HLA-DP and HLA-DQ. It binds a conformational epitope on HLA-DR, which depends on the correct folding of the heterodimer. This monoclonal antibody has been reported to block mixed lymphocyte reactions. 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 36kD alpha (heavy) chain and a 28kD 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.
Immunogen	Activated human peripheral blood mononuclear cells
Notes	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. Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Antibody is stable for 24 months. Non-hazardous.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunofluorescence
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml
Application Notes	Optimal dilution for a specific application should be determined.





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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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