

# Product Datasheet

## HLA DRB1 Antibody (HLA-DRB/1067) [PE/Cy7] NBP2-47671PECY7

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-47671PECY7**

HLA-DRB1 Antibody (HLA-DRB/1067) [PE/Cy7]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	HLA-DRB/1067
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	PE/Cy7
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	3123
Gene Symbol	HLA-DRB1
Species	Human, Monkey
Specificity/Sensitivity	This monoclonal antibody reacts with the beta-chain of HLA-DRB1 antigen, a member of MHC class II molecules. It does not cross react with HLA-DP and HLA-DQ. Its epitope is different from that of monoclonal antibody L243. 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 cytoplasmic 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, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions.





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### **Products Related to NBP2-47671PECY7**

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NBP1-43317PECY7	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [PE/Cy7]
NBP2-51599-0.1mg	Recombinant Human, HLA DRB1 His Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP3-39780	Human, HLA DRB1 ELISA Kit (Colorimetric)

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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.

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