

# Product Datasheet

## HLA DRB1 Antibody (SPM423) [Alexa Fluor® 647] NBP3-11552AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11552AF647**

HLA DRB1 Antibody (SPM423) [Alexa Fluor® 647]

| 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.  |
| Clonality               | Monoclonal  |
| Clone                   | SPM423  |
| Preservative            | 0.05% Sodium Azide  |
| Isotype                 | IgG2b Kappa   |
| Conjugate               | Alexa Fluor 647   |
| Purity                  | Protein A or G purified   |
| Buffer                  | 50mM Sodium Borate  |
| Product Description     |   |
| 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  |



|              |  |
|--------------|--|
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|--------------|--|

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.   |



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### **Products Related to NBP3-11552AF647**

|                  |   |
|------------------|---|
| NBP1-43317AF647  | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Alexa Fluor® 647] |
| NBP2-51599-0.1mg | Recombinant Human, HLA DRB1 His Protein                                 |
| 210-TA-005       | TNF-alpha [Unconjugated]  |
| NBP3-39780       | Human, HLA DRB1 ELISA Kit (Colorimetric)                                |

### **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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