

# Product Datasheet

## **HLA DQ/DR/DP Antibody (rHLA-Pan/3475) - Azide and BSA Free** **NBP3-08644**

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-08644**

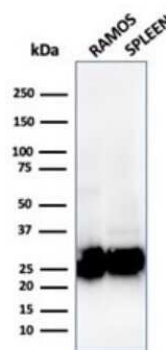
HLA DQ/DR/DP Antibody (rHLA-Pan/3475) - Azide and BSA Free

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 100 ug   |
| Concentration               | 1 mg/ml  |
| Storage                     | Store at -20 to -80C. Avoid freeze-thaw cycles.  |
| Clonality                   | Monoclonal   |
| Clone                       | rHLA-Pan/3475  |
| Preservative                | No Preservative  |
| Isotype                     | IgG1 Kappa   |
| Purity                      | Protein A or G purified  |
| Buffer                      | 10 mM PBS  |
| Product Description         |  |
| Description                 | <p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP3-07808).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>  |
| Host                        | Mouse  |
| Gene ID                     | 3117   |
| Gene Symbol                 | HLA-DQA1   |
| Species                     | Human  |
| Specificity/Sensitivity     | <p>Reacts with a common epitope of human major histocompatibility (MHC) class II antigens, HLA-DP, -DQ and -DR. Human MHC class II antigens are transmembrane glycoproteins composed of an alpha chain (36kDa) and a beta chain (27kDa). They are expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages, and thymic epithelial cells and are also present on activated T lymphocytes. Human MHC class II genes are located in the HLA-D region that encodes at least six alpha and ten beta chain genes. Three loci, DR, DQ and DP, encode the major expressed products of the human class II region. The human MHC class II molecules bind intracellularly processed peptides and present them to T-helper cells. They, therefore, have a critical role in the initiation of the immune response.</p> |
| Immunogen                   | Non-T, non-B human acute lymphoblastic leukemia REH6 cells   |
| Product Application Details |  |
| Applications                | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Western Blot, Flow Cytometry 1-2 ug/million cells, ELISA 1-5 ug/ml, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 1-2ug/ml   |
| Application Notes           | ELISA: 1-5ug/ml. Order antibody without BSA  |

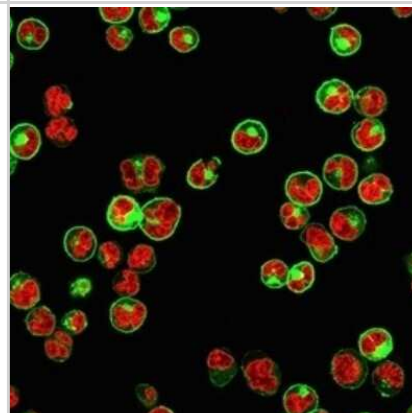


## Images

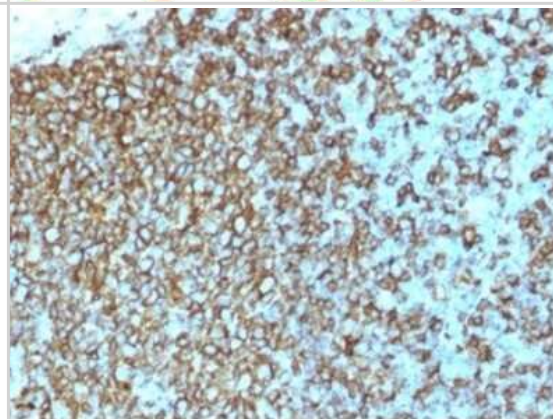
Western Blot: HLA DQ/DR/DP Antibody (rHLA-Pan/3475) - Azide and BSA Free [NBP3-08644] - Western Blot Analysis of (1) Ramos cell and (2) human spleen tissue lysate using HLA DQ/DR/DP antibody (rHLA-Pan/3475).



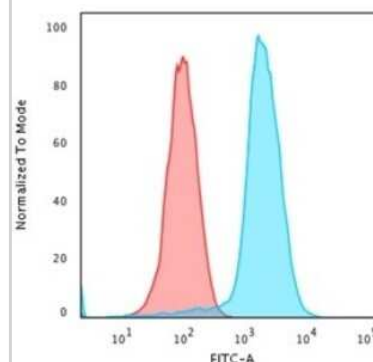
Immunocytochemistry/Immunofluorescence: HLA DQ/DR/DP Antibody (rHLA-Pan/3475) - Azide and BSA Free [NBP3-08644] - Immunofluorescence Analysis of Human Raji cells with HLA DQ/DR/DP Mouse Recombinant Monoclonal Antibody (rHLA DQ/DR/DP/3475) followed by goat anti- Mouse IgG-CF488 (Green). The nuclear counterstain is RedDot (Red).



Immunohistochemistry-Paraffin: HLA DQ/DR/DP Antibody (rHLA-Pan/3475) - Azide and BSA Free [NBP3-08644] - Formalin-fixed, paraffin-embedded human Tonsil stained with HLA DQ/DR/DP Mouse Recombinant Monoclonal Antibody (rHLA DQ/DR/DP/3475).



Flow Cytometry: HLA DQ/DR/DP Antibody (rHLA-Pan/3475) - Azide and BSA Free [NBP3-08644] - Flow Cytometric Analysis of Human Raji cells using HLA DQ/DR/DP Mouse Recombinant Monoclonal Antibody (rHLA DQ/DR/DP/3475) followed by goat anti- Mouse IgG-CF488 (Blue); Isotype control (Red).



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**Products Related to NBP3-08644**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| 210-TA-005       | TNF-alpha [Unconjugated]                                |

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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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