Recombinant HLA-DP (MHC II) Antibody

Rabbit Monoclonal Antibody [Clone HLA-pan/2967R]

Catalog No	Format	Size
RBM1-2967-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
RBM1-2967-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RBM1-2967-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

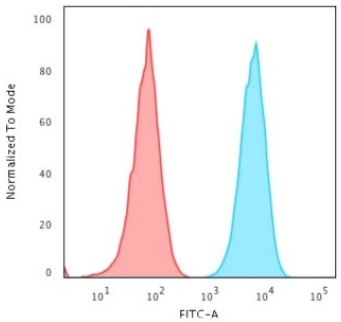
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

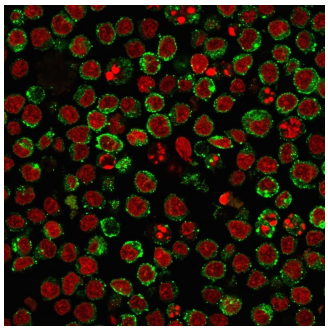
Clone	HLA-pan/2967R
Immunogen	Non-T, non-B human acute lymphoblastic leukemia REH6 cell line
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	29.16kDa
Cellular Localization	Cell membrane, Endoplasmic reticulum membrane, Endosome membrane, Golgi apparatus, Lysosome membrane, trans-Golgi network membrane
Species Reactivity	Human
Positive Control	Daudi, Ramos or Raji cells. Human tonsil or lymph node. Human Intestine or Human Lung

**Optimal dilution for a specific application should be determined.*

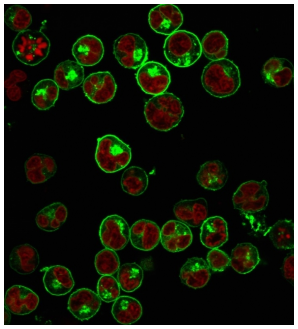
Product Images for Recombinant HLA-DP (MHC II) Antibody



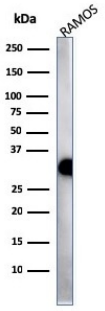
Flow Cytometric Analysis of PFA-fixed Raji cells. HLA-Pan Recombinant Rabbit Monoclonal Antibody (HLA-Pan/2967R) followed by goat anti-rabbit IgG-CF488 (blue); Isotype control (red).



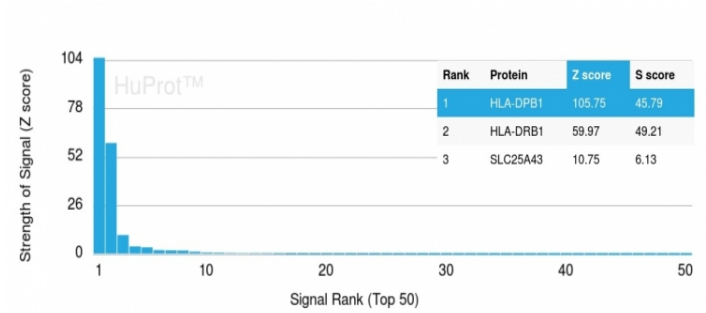
Immunofluorescence staining of PFA-fixed Ramos cells. HLA-PanRecombinant Rabbit Monoclonal Antibody (HLA-Pan/2967R) followed by goat anti-rabbit IgG-CF488 (green). Nuclei stained with RedDot.



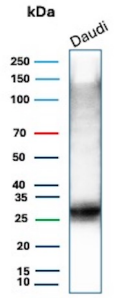
Immunofluorescence staining of PFA-fixed Raji cells. HLA-Pan Recombinant Rabbit Monoclonal Antibody (HLA-Pan/2967R) followed by goat anti-rabbit IgG-CF488 (green). Nuclei stained with RedDot.



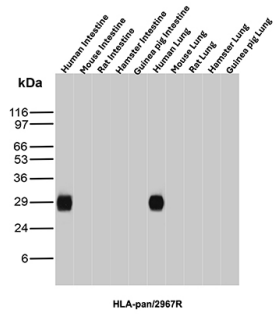
Western Blot Analysis of Ramos cell lysate using HLA-Pan RecombinantRabbit Monoclonal Antibody (HLA-Pan/2967R).



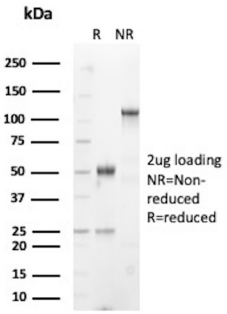
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing HLA-Pan Rabbit Recombinant Monoclonal Antibody (HLA-Pan/2967R). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



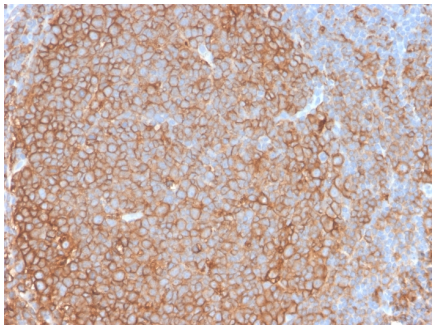
Western Blot Analysis of Daudi cell lysate using Pan-HLA-II (DP, DQ, DR) Recombinant Rabbit Monoclonal Antibody (HLA-Pan/2967R).



Western blot analysis of Human Intestine, Mouse Intestine, Rat Intestine, Hamster Intestine, Guinea pig Intestine, Human Lung, Mouse Lung, Rat Lung, Hamster Lung and Guinea pig Lung tissue lysates using using HLA-Pan Recombinant Rabbit Monoclonal Antibody (HLA-Pan/2967R).



SDS-PAGE Analysis of Purified HLA class II histocompatibility antigen, DP beta 1 chain Rabbit Monoclonal Antibody (HLA-Pan/2967R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with HLA-Pan Rabbit Recombinant Monoclonal Antibody (HLA-Pan/2967R).

Specificity & Comments

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 chain (36kDa) and a ? ? 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 and ten ? ? 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. It has been shown that some autoimmune diseases are associated with certain class II alleles.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.