HLA-DP (MHC II) Antibody

Mouse Monoclonal Antibody [Clone SPM421]

Catalog No	Format	Size
3115-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3115-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3115-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

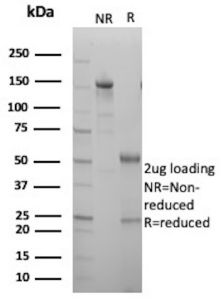
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

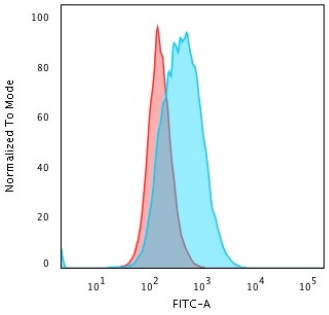
Clone	SPM421
Gene Name	HLA-DPB1
Immunogen	Non-T, non-B human acute lymphoblastic leukemia REH6 cell line
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	33-35kDa
Cellular Localization	Cell membrane, Endoplasmic reticulum membrane, Endosome membrane, Golgi apparatus, Lysosome membrane, trans-Golgi network membrane
Species Reactivity	Human
Positive Control	Raji cells. Tonsil or lymph node.

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

Product Images for HLA-DP (MHC II) Antibody



SDS-PAGE Analysis of Purified MHC II Mouse Monoclonal Antibody [SPM421]. Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of Human Raji cells using HLA-DP (MHC II) Monoclonal Antibody (SPM421) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).

Specificity & Comments

Recognizes a non-polymorphic determinant of DP-MHC class II. MHC class II antigens are transmembrane glycoproteins of non-covalently linked alpha (33-35kDa) and beta (27-30kDa) chains. It reportedly reacts with B- non-T, non-B cell lines but not with T- and myeloid cell lines and leukemias. Differential expression of MHC class II antigens on fetal and adult lymphocytes, malignant B cells appears to reflect the stage of cell differentiation which may be useful in the study of lymphoproliferative disorders.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. 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.

Research Areas

Cardiovascular, Cytokine Signaling, Dendritic Cell Marker, Immuno Oncology, Immunology

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.