

Mouse HLA-DP Antibody | anti-HLA-DPB1 antibody

HLA-DP (MHC II) Mouse Monoclonal Antibody

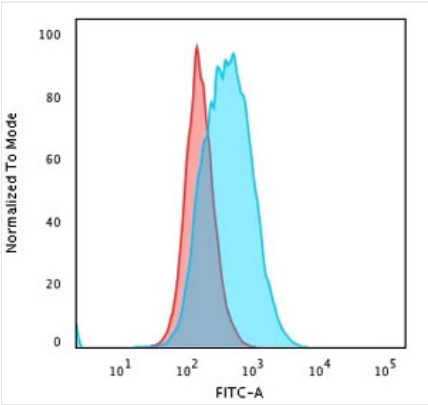
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13830	Mouse	Human. Others not known.	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

HLA-DP; HLA-DP (MHC II) Mouse Monoclonal Antibody; HLA class II histocompatibility antigen DP alpha 1 chain; HLA DP1A; HLA SB alpha chain; HLADP; HLADPA1; HLASB; HLASB histocompatibility type; Human MHC class II HLA SB alpha; Major histocompatibility complex class II DP alpha 1; MHC class II DP3 alpha; MHC class II DPA1; PLT1; Primed lymphocyte test 1; anti-HLA-DPB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Isotype	IgG2b, kappa
Clone Number	SPM421
Specificity	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.
Form/Format	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.
Applicable Applications for anti-HLA-DPB1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Application Notes	ELISA (For coating use Ab at 2-4ug/ml, order antibody without BSA) Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Optimal dilution for a specific application should be determined.
Human Chromosome Location	6p21.3
Immunogen	Non-T, non-B human acute lymphoblastic leukemia REH6 cell line
Cellular Localization	Cell surface
Positive Control	Raji cells. Tonsil or lymph node.
Preparation and Storage	Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



FCM (Flow Cytometry)
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).

ADDITIONAL INFORMATION

References	Babusikova O; Ujhazy P; Hrivnakova A; Chorvath B; Polakova K. Studies on the distribution of the antigens detected by some newly prepared monoclonal antibodies in normal hemopoietic and leukemic cells. Neoplasma, 1985, 32(6):657-62. Polakova K; Chorvath B; Sedlak J; Duraj J; Matoska J; Karpatova M. Monoclonal antibodies against MHC class II antigens elicited with a human non-T, non-B acute lymphoblastic leukemia cell line. Neoplasma, 1985, 32(6):641-8. Neoplasma 34(4), 417- 425, (1987). Horejsi V, et. al. Tissue Antigens, 1988, 32(1):6-11.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24797076
NCBI GeneID	3115
NCBI Accession #	NP_002112.3
NCBI GenBank Nucleotide #	NM_002121.5
UniProt Accession #	P04440; A0PFJ7; A5I886; A8YPB3; B5U8B4; B7VF80; B7VF87; B8ZX68; B8ZYT0; B9W5S8; B9W6F7; B9W6F9
Molecular Weight	33-35 kDa
NCBI Official Full Name	HLA class II histocompatibility antigen, DP beta 1 chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DP beta 1
NCBI Official Symbol	HLA-DPB1
NCBI Official Synonym Symbols	DPB1; HLA-DP; HLA-DPB; HLA-DP1B
NCBI Protein Information	HLA class II histocompatibility antigen, DP beta 1 chain
UniProt Protein Name	HLA class II histocompatibility antigen, DP beta 1 chain
UniProt Gene Name	HLA-DPB1
UniProt Synonym Gene Names	HLA-DP1B
UniProt Entry Name	DPB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.