

Mouse HLA-Pan Antibody | anti-HLA-Pan antibody

HLA-Pan (MHC II)

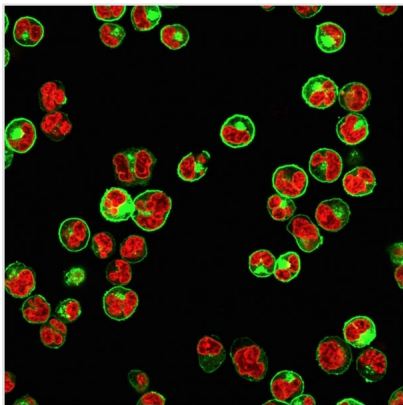
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215333	Mouse	Human. Others not known	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

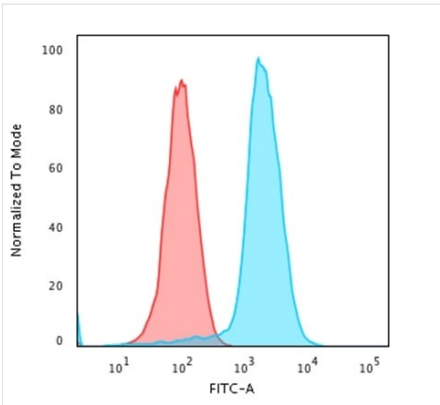
HLA-Pan; HLA-Pan (MHC II); HLA-DPB1; HLA-DQA1; HLA-DQB1; HLA-DRA; HLA-DRB1; HLA-DRB3; HLA-DRB4; HLA-DRB5; anti-HLA-Pan antibody

PRODUCT SPECIFICATIONS

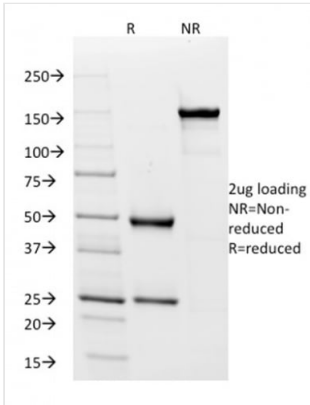
Host	Mouse
Reactivity	Human. Others not known
Isotype	IgG1, kappa
Clone Number	rHLA-Pan/3475
Specificity	Reacts with a common epitope of human major histocompatibility (MHC) class II antigens, HLA-DP, -DQ and -DR. Human MHC class II antigens are transmembrane glycoproteins composed of an alpha chain (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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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.
Sequence Length	258
Applicable Applications for anti-HLA-Pan antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Positive Control	Raji cells. Tonsil or lymph node.
Immunogen	Non-T, non-B human acute lymphoblastic leukemia REH6 cells
Cellular Localization	Cell Surface
Hu-chromosome Location	6p21.3 (HLA-DP & HLA-DR)
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	Antibody with azide - store at 2 to 8°C Antibody is stable for 24 months. Non-hazardous. No MSDS required.



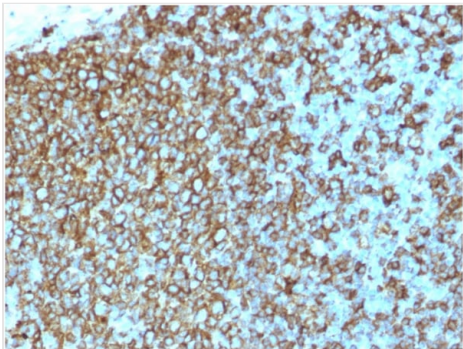
IF (Immunofluorescence)
Immunofluorescence Analysis of Human Raji cells with HLA-Pan Mouse Recombinant Monoclonal Antibody (rHLA-Pan/3475) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of Human Raji cells using HLA-Pan Mouse Recombinant Monoclonal Antibody (rHLA-Pan/3475) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



SDS-PAGE
SDS-PAGE Analysis Purified HLA-Pan Mouse Recombinant Monoclonal Antibody (rHLA-Pan/3475). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with HLA-Pan Mouse Recombinant Monoclonal Antibody (rHLA-Pan/3475).

ADDITIONAL INFORMATION

References	1. Gatter et al. 1982. Semin Oncol. 9(4):517-25. 2. Gatter et al. 1982. J Clin Pathol. 35(11):1253-67.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122263
NCBI GeneID	3115
UniProt Accession #	P04440; P01908; P01909; P01920; P01903
Molecular Weight	33-35kDa
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.

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Online datasheet: <https://www.aaabiotech.com/mouse-human-antibody/hla-pan/215333>