

Mouse HLA-DRB Monoclonal Antibody | anti-HLA-DRB1 antibody

HLA-DRB (MHC II) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62805	Mouse	Human, Monkey. Does not react with Mouse	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

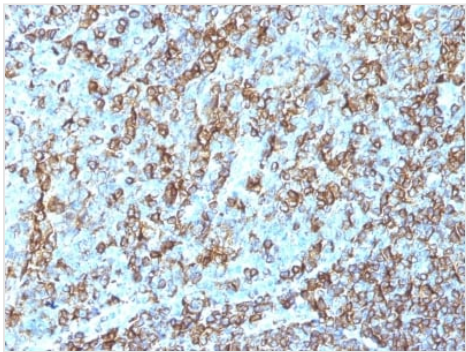
PRODUCT SYNONYMS

HLA-DRB; Monoclonal Antibody; HLA-DRB (MHC II) Mouse Monoclonal Antibody; DRB1; HLA class II histocompatibility antigen; DR-1 beta chain; HLA-DR-beta 1; HLA-DRB1; human leucocyte antigen DRB1; Leucocyte antigen DR beta 1 chain; lymphocyte antigen DRB1; major histocompatibility complex; class II; DR beta 1; MHC class II HLA-DR beta 1 chain; MHC class II HLA-DR-beta cell surface glycoprotein; anti-HLA-DRB1 antibody

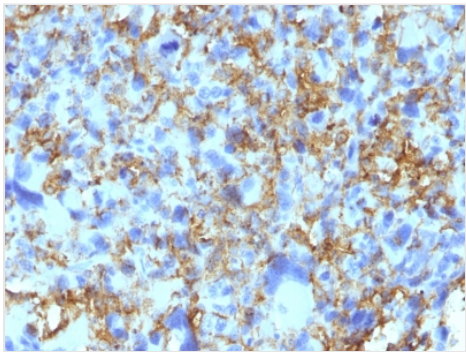
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey. Does not react with Mouse
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	LN-3
Specificity	This MAb reacts with a 28kDa chain of HLA-DRB1 antigen, a member of MHC class II molecules. It does not cross react with HLA-DP and HLA-DQ. The L243 antibody recognizes a different epitope than the LN3 monoclonal antibody, and these antibodies do not cross-block binding to each other's respective epitopes. HLA-DR is a heterodimeric cell surface glycoprotein comprised of a 36kDa alpha (heavy) chain and a 28kDa beta (light) chain. It is expressed on B-cells, activated T-cells, monocytes/macrophages, dendritic cells and other non-professional AP's. In conjunction with the CD3/TCR complex and CD4 molecules, HLA-DR is critical for efficient peptide presentation to CD4+ T cells. It is an excellent histiocytic marker in paraffin sections producing intense staining. True histiocytic neoplasms are similarly positive. HLA-DR antigens also occur on a variety of epithelial cells and their corresponding neoplastic counterparts. Loss of HLA-DR expression is related to tumor microenvironment and predicts adverse outcome in diffuse large B-cell lymphoma.
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	266
Applicable Applications for anti-HLA-DRB1 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface
Immunogen	Activated human peripheral blood mononuclear cells
Hu-Chromosome Location	6p21.3
Positive Control	Ramos, Daudi or HuT78 cells. Tonsil or lymph node
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with HLA-DRB Monoclonal Antibody (LN-3).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Histiocytoma stained with HLA-DRB Monoclonal Antibody (LN-3).

ADDITIONAL INFORMATION

References	Marder RJ, et al. 1985. Lab. Invest. 52:497.2. Norton AJ and Isaacson PG. 1987. Am. J. Pathol. 128:225.3. Hua ZX, et al. 1998. Hum. Pathol. 29(12):1441
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NCBI AND UNIPROT INFORMATION

NCBI GI #	155030211
NCBI GeneID	3123
NCBI Accession #	NP_002115.2
NCBI GenBank Nucleotide #	NM_002124.3
UniProt Accession #	P01911; Q29790; Q29975; Q30142; Q30166; Q32MY7; Q56FN9; Q5Y7B0; Q5Y7B9; P20039; Q5Y7A7; Q95IE3; Q9GIY3; Q29974; P01912; Q30134; P04229; Q30167
Molecular Weight	28kDa (beta chain)
NCBI Official Full Name	major histocompatibility complex, class II, DR beta 1
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DR beta 1
NCBI Official Symbol	HLA-DRB1
NCBI Official Synonym Symbols	SS1; DRB1; DRw10; HLA-DRB; HLA-DR1B
NCBI Protein Information	major histocompatibility complex, class II, DR beta 1
UniProt Protein Name	HLA class II histocompatibility antigen, DRB1-15 beta chain
UniProt Gene Name	HLA-DRB1
UniProt Synonym Gene Names	HLA-DRB2
UniProt Entry Name	2B1F_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.