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Recombinant anti-MHC Class II HLA-DP/DQ/DR antibody



Images



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Quantity:	100 μg	
Target:	MHC Class II HLA-DP/DQ/DR (HLA-DP/DQ/DR)	
Reactivity:	Human	
Host:	Mouse	
Antibody Type:	Recombinant Antibody	
Clonality:	Monoclonal	
Conjugate:	This MHC Class II HLA-DP/DQ/DR antibody is un-conjugated	
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Coating (Coat), ELISA, Staining Methods (StM)	

Product Details

Immunogen:

Clone:	RHLA-Pan-3475
Isotype:	IgG1 kappa
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 (36 kDa) and a beta chain (27 kDa). 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

Non-T, non-B human acute lymphoblastic leukemia REH6 cells

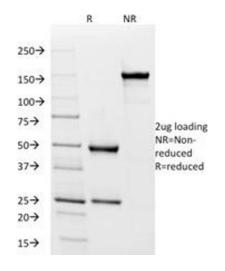
Product Details

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	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.	
Purification:	Purified by Protein A/G	
Target Details		
Target:	MHC Class II HLA-DP/DQ/DR (HLA-DP/DQ/DR)	
Alternative Name:	HLA-DP, HLA-DQ, HLA-DR (HLA-DP/DQ/DR Products)	
Molecular Weight:	33-35kDa	
Gene ID:	3115, 3117, 3122	
UniProt:	P04440, P01908, P01909, P01920, P01903	
Pathways:	Human Leukocyte Antigen (HLA) in Adaptive Immune Response	
Application Details		
Application Notes:	Positive Control: Raji cells. Tonsil or lymph node.	
	Known Application: ELISA (For coating use Ab at 1-5 µg/mL, order Ab without BSA),Flow	
	Cytometry (1-2 μ g/million cells), ,Immunofluorescence (1-2 μ g/mL). ,Immunohistochemistry	
	(Formalin-fixed) (1-2 μ g/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires	
	boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT	
	for 20 minutes)	
Restrictions:	For Research Use only	
Handling		
Concentration:	200 μg/mL	
Buffer:	10 mM PBS with0.05 % BSA & 0.05 % azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	4 °C,-80 °C	
Storage Comment:	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.	

Expiry Date:

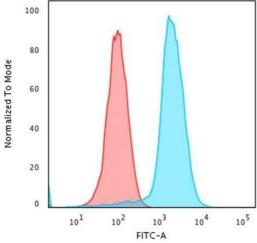
24 months

Validation report #028751 for Immunohistochemistry (IHC)



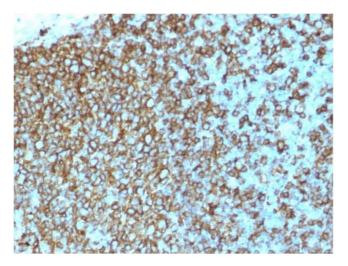
Western Blotting

Image 1. SDS-PAGE Analysis Purified HLA-Pan Mouse Recombinant Monoclonal (rHLA-Pan/3475). Confirmation of Purity and Integrity of Antibody.



Flow Cytometry

Image 2. 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).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with HLA-Pan Mouse Recombinant Monoclonal Antibody (rHLA-Pan/3475).

Please check the product details page for more images. Overall 6 images are available for ABIN6941388.