Datasheet for ABIN6941452

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

7 Images

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Overview

Quantity:	100 µg
Target:	MHC Class II HLA-DP/DQ/DR (HLA-DP/DQ/DR)
Reactivity:	Human
Host:	Rabbit
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), Western Blotting (WB), Immunohistochemistry (IHC), Coating (Coat), ELISA, Staining Methods (StM)

Product Details

Immunogen:	Non-T, non-B human acute lymphoblastic leukemia REH6 cell line
Clone:	HLA-Pan-2967R
Isotype:	IgG
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 chain (36 kDa) and a 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 and ten 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

Product Details

	bind intracellularly processed peptides and present them to T-helper cells. They, therefore, have a critical role in the initiation of the immune response. It has been shown that some autoimmune diseases are associated with certain class II alleles.
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: Ramos or Raji cells. Tonsil or lymph node. Known Application: ELISA (For coating use Ab at 2-5 µg/mL, order Ab without BSA), Flow Cytometry (1-2 µg/million cells), ,Immunofluorescence (1-2 µg/mL). Western Blot (1-2 µ g/mL),Immunohistochemistry (Formalin-fixed) (1-2 µg/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

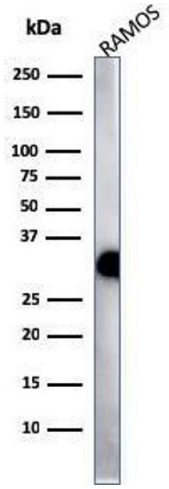
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % 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

Handling

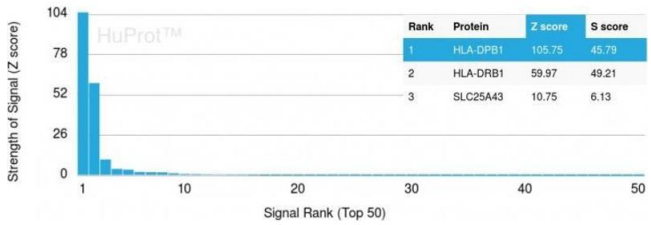
	is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



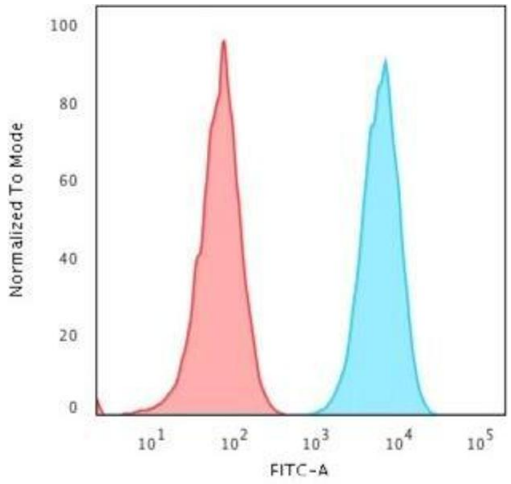
Western Blotting

Image 1. Western Blot Analysis of Ramos cell lysate using HLA-Pan Recombinant Rabbit Monoclonal Antibody (HLA-Pan/2967R).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using HLA-Pan Rabbit Recombinant Monoclonal Antibody (HLA-Pan/2967R). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometry

Image 3. Flow Cytometric Analysis of Raji cells using HLA-Pan Recombinant Rabbit Monoclonal Antibody (HLA-Pan/2967R) followed by goat anti-rabbit IgG-CF488 (Blue); Isotype control (Red).

Please check the product details page for more images. Overall 7 images are available for ABIN6941452.