Datasheet for ABIN6939629

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:	Mouse
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:	Cells from human tonsil
Clone:	CR3-43
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 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 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

Product Details

	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:	36kDa (' chain) and 27kDa (' chain)
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, Raji cells. Tonsil, Spleen or lymph node. Known Application: ELISA (For coating use Ab at 2-4 µg/mL, order Ab without BSA),Flow Cytometry (1-2 µg/ million cells), ,Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/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),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

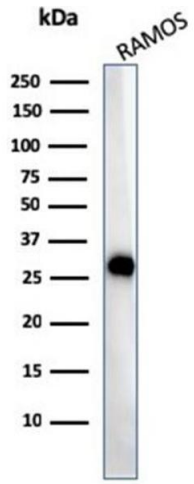
Handling

Concentration:	200 µg/mL
Buffer:	10mM 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 is stable for 24 months. Non-hazardous. No MSDS required.

Handling

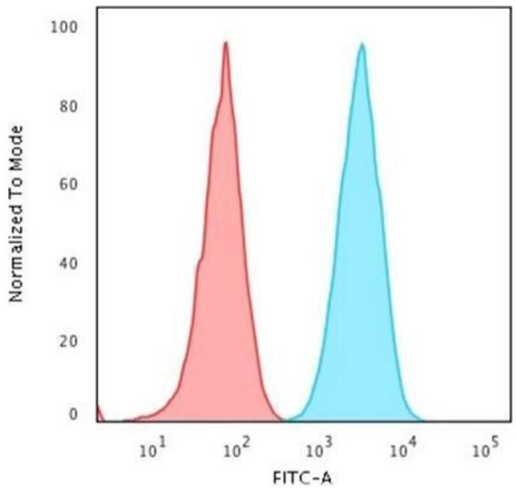
Expiry Date:	24 months

Images



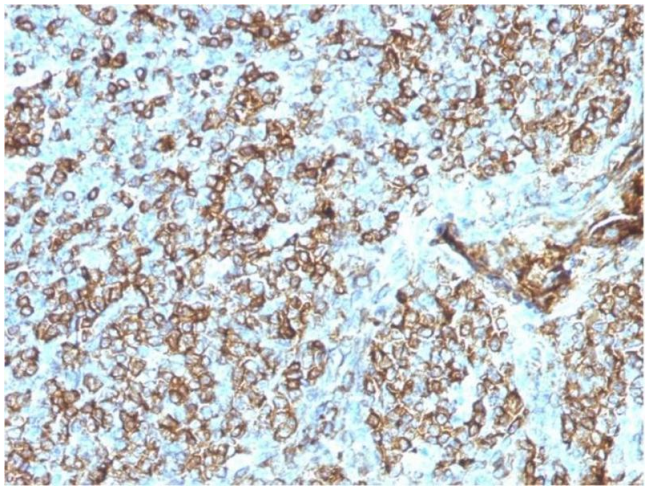
Western Blotting

Image 1. Western Blot Analysis of Ramos cell lysate using HLA-Pan Mouse Monoclonal Antibody (CR3/43).



Flow Cytometry

Image 2. Flow Cytometric Analysis of Human Raji cells using HLA-Pan Mouse Monoclonal Antibody (CR3/43) 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 Monoclonal Antibody (CR3/43).

Please check the product details page for more images. Overall 7 images are available for ABIN6939629.