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Datasheet for ABIN6939639
anti-HLA-DR antibody

5 Images

Overview

Quantity:	100 µg
Target:	HLA-DR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DR antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

Product Details

Clone:	TAL 1B5
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	HLA-DR
Alternative Name:	HLA-DR (HLA-DR Products)
Background:	Major histocompatibility complex (MHC) class II molecules destined for presentation to CD4+ helper T cells is determined by two key events. These events include the dissociation of class II-associated invariant chain peptides (CLIP) from an antigen binding groove in MHC class II/ dimers through the activity of MHC molecules HLA-DM and -DO, and subsequent peptide

Target Details

antigen binding. Accumulating in endosomal/lysosomal compartments and on the surface of B cells, HLA-DM, -DO molecules regulate the dissociation of CLIP and the subsequent binding of exogenous peptides to HLA class II molecules (HLA-DR, -DQ and -DP) by sustaining a conformation that favors peptide exchange. RFLP analysis of HLA-DM genes from rheumatoid arthritis (RA) patients suggests that certain polymorphisms are genetic factors for RA susceptibility. HLA-B belongs to the HLA class I heavy chain paralogs. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. HLA-B and -C can form heterodimers consisting of a membrane anchored heavy chain and a light chain (-Microglobulin). Polymorphisms yield hundreds of HLA-B and -C alleles.

Molecular Weight:	36kDa (alpha chain), 27kDa (beta chain), 63kDa (HLA-DR dimer)
Gene ID:	3122
UniProt:	P01903
Pathways:	Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	Positive Control: Raji, Ramos or Daudi whole cell lysates. Spleen, tonsil or liver tissue lysates. Human melanoma, tonsil or lymph node. Known Application: Flow Cytometry (1-2 µg/million cells), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues is enhanced by 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

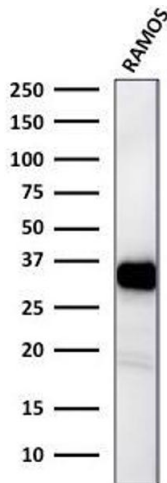
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

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.

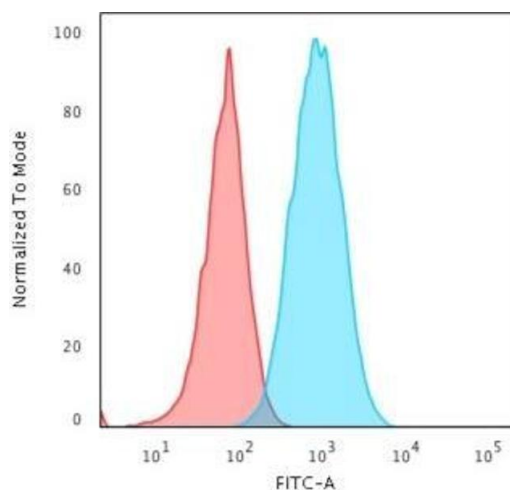
Expiry Date: 24 months

Images



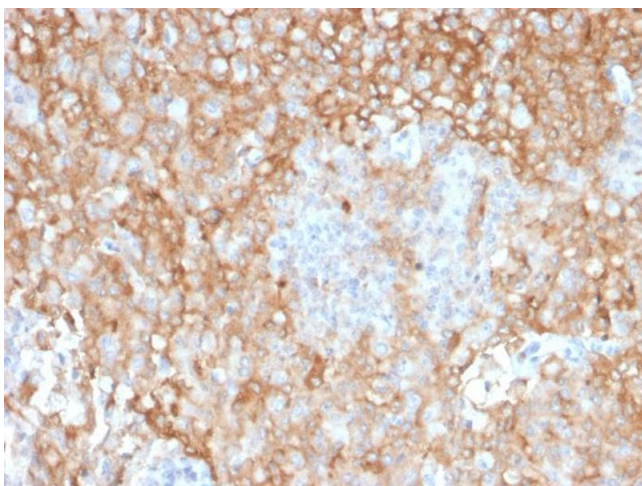
Western Blotting

Image 1. Western Blot Analysis of Ramos cell lysates using HLA-DR Mouse Monoclonal Antibody (TAL 1B5).



Flow Cytometry

Image 2. Flow Cytometric Analysis of Raji cells. HLA-DR Mouse Monoclonal Antibody (TAL 1B5) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Lung Tumor stained with HLA-DR Mouse Monoclonal Antibody (TAL 1B5).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939639.