Datasheet for ABIN6939641

anti-HLA-DR antibody

4 Images

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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), Immunofluorescence (IF), Immunostaining (ISt), Staining Methods (StM)

Product Details

Immunogen:	Activated human peripheral blood mononuclear cells
Clone:	SPM289
Isotype:	IgG2b kappa
Specificity:	This MAb reacts with the beta-chain of HLA-DR 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 SPM289 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 36 kDa alpha (heavy) chain and a 28 kDa beta (light) chain. It is expressed on B-cells, activated T-cells, monocytes/macrophages, dendritic cells and other non-professional APCs. 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

Product Details

	antigens also occur on a variety of epithelial cells and their corresponding neoplastic counterparts.
Purification:	Purified by Protein A/G

Target Details

Target:	HLA-DR
Alternative Name:	HLA-DR (HLA-DR Products)
Molecular Weight:	~28kDa (beta chain)
Gene ID:	3123
UniProt:	P01903
Pathways:	Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	Positive Control: Raji, Ramos, Daudi or HuT78 cells. Spleen, Tonsil or lymph node. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (2-4 µg/mL), Western Blot (0.5-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 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

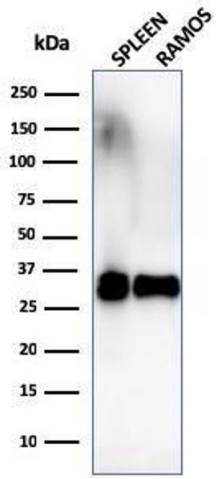
Handling

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
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

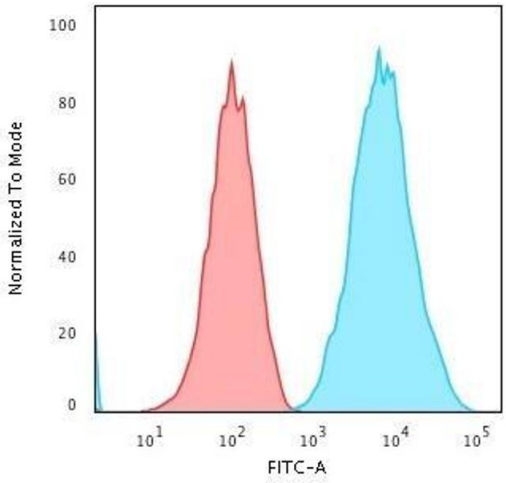
Expiry Date:	24 months

Images



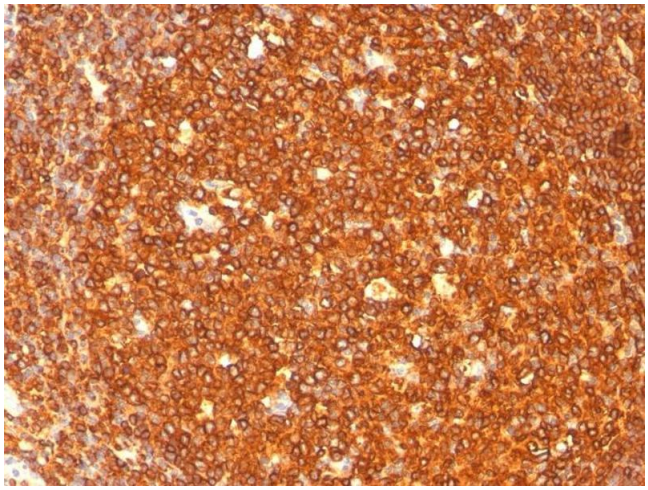
Western Blotting

Image 1. Western Blot Analysis of Ramos cells and human spleen tissue lysate using HLA-DR Monoclonal Antibody (SPM289).



Flow Cytometry

Image 2. Flow Cytometric Analysis of human Raji cells using HLA-DR Monoclonal Antibody (SPM289) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with HLA-DR Monoclonal Antibody (SPM289).

Please check the product details page for more images. Overall 4 images are available for ABIN6939641.