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Datasheet for ABIN125741
anti-HLA-DR antibody

3 Images

1 Publication

Overview

Quantity:	0.1 mg
Target:	HLA-DR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DR antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	thymocyte membrane
Clone:	MEM-12
Isotype:	IgG1
Specificity:	The antibody MEM-12 recognizes a common extracellular epitope on human HLA-DR which is dependent on the association of alpha and beta chains. DR is the isotype of human MHC Class II molecules expressed on antigen-presenting cells (APC, dendritic cells, B lymphocytes, monocytes, macrophages).
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	HLA-DR
Alternative Name:	HLA-DR (HLA-DR Products)
Background:	HLA-DR, a member of MHC class II glycoproteins, that bind intracellularly processed peptides and present them to the Th cells, is composed of 36 kDa alpha chain and 27 kDa beta chain, both anchored in the plasma membrane. Together with other MHC II molecules HLA-DR plays a central role in the immune system.

Application Details

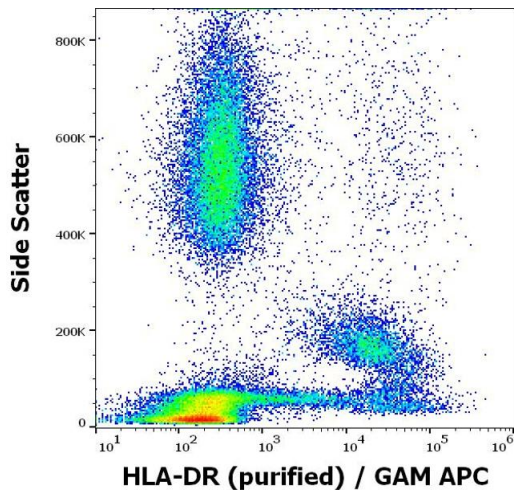
Application Notes:	Flow cytometry: Recommended dilution: 2 µg/mL, positive control: B-lymphocytes, monocytes, DAUDI cell line, RAJI cell line. Western blotting and Immunoprecipitation: Positive control: B-lymphocytes, monocytes, DAUDI cell line, RAJI cell line, non-reducing conditions.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium 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.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

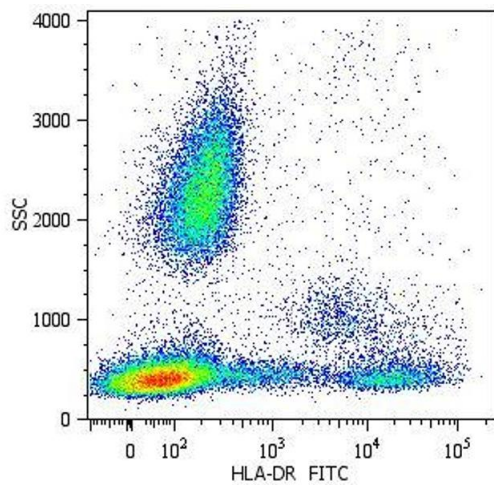
Publications

Product cited in:	Horejsí, N?mec, Angelisová, Kristofová, Gorga, Hilgert: "Characterization of seven new monoclonal antibodies against human DR, DR + DP and DQ1 + DQ3 antigens." in: Tissue antigens , Vol. 28, Issue 5, pp. 288-97, (1987) (PubMed).
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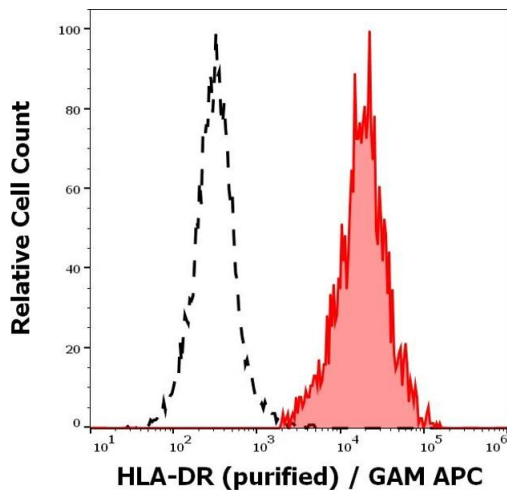
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human HLA-DR (MEM-12) purified antibody (concentration in sample 0,3 µg/mL, GAM APC).



Flow Cytometry

Image 2. Surface staining of human peripheral blood cells with anti-human HLA-DR (MEM-12) FITC.



Flow Cytometry

Image 3. Separation of human monocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human HLA-DR (MEM-12) purified antibody (concentration in sample 0,3 µg/mL, GAM APC).