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Datasheet for ABIN125742 **anti-HLA-DR antibody (FITC)**

4 Images

1 Publication

Overview

Quantity:	100 tests
Target:	HLA-DR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DR antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

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 antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

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

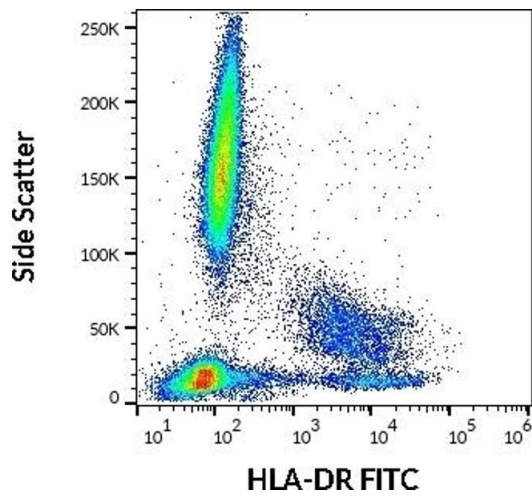
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing 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. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

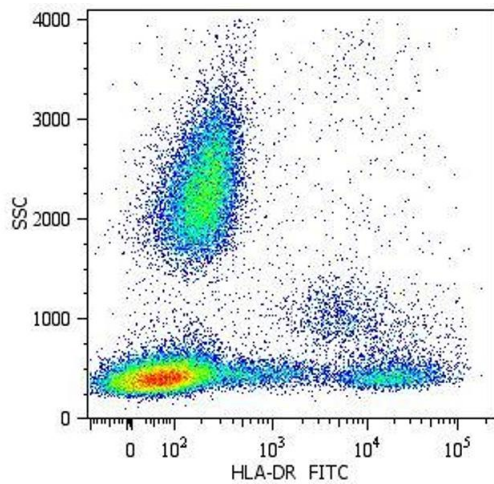
Publications

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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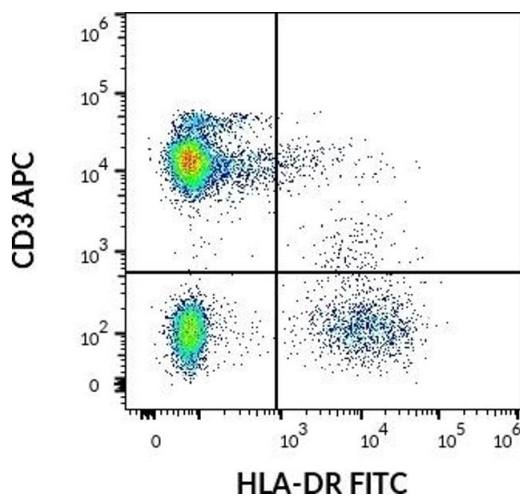
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human HLA-DR (MEM-12) FITC antibody (20 μ L reagent / 100 μ L of peripheral whole blood).



Flow Cytometry

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



Flow Cytometry

Image 3. Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human HLA-DR (MEM-12) FITC antibody (20 μ L reagent / 100 μ L of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN125742.