

Datasheet for ABIN5067814

anti-MHC Class II HLA-DP/DQ/DR antibody[Go to Product page](#)**2** Images

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)

Product Details

Immunogen:	Priess human B cell line
Clone:	IVA12
Isotype:	IgG1 kappa
Characteristics:	<p>The clone IVA12 recognizes the shared epitopes of human leucocyte antigen (HLA) class II molecules HLA-DP, HLA-DQ and HLA-DR heterodimeric cell surface glycoproteins comprised of an α (heavy) chain and a β (light) chain. They are expressed on B cells, activated T cells, monocytes/macrophages, dendritic cells, and other non-professional antigen presenting cells (APCs). HLA-Class II expressing APCs specifically present antigens recognized by TCR/CD3 complex of CD4+ T cells. Reactive microglia and perivascular cells in multiple sclerosis lesions express all three types of HLA-Class II molecules, whereas microglia in the normal CNS expressed HLA-DR only.</p>
Purification:	Purified

Product Details

Purity: >95 %

Grade: GMP Grade

Target Details

Target: MHC Class II HLA-DP/DQ/DR (HLA-DP/DQ/DR)

Alternative Name: HLA-DR, DP, DQ ([HLA-DP/DQ/DR Products](#))

Background: The clone IVA12 recognizes the shared epitopes of human leucocyte antigen (HLA) class II molecules HLA-DP, HLA-DQ and HLA-DR heterodimeric cell surface glycoproteins comprised of an α (heavy) chain and a β (light) chain. They are expressed on B cells, activated T cells, monocytes/macrophages, dendritic cells, and other non-professional antigen presenting cells (APCs). HLA-Class II expressing APCs specifically present antigens recognized by TCR/CD3 complex of CD4+ T cells. Reactive microglia and perivascular cells in multiple sclerosis lesions express all three types of HLA-Class II molecules, whereas microglia in the normal CNS expressed HLA-DR only.

Pathways: [Human Leukocyte Antigen \(HLA\) in Adaptive Immune Response](#)

Application Details

Application Notes: Each lot of this antibody has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5 μ g is sufficient for staining 1 million cells in a 100 μ l staining volume or 100 μ l of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Restrictions: For Research Use only

Handling

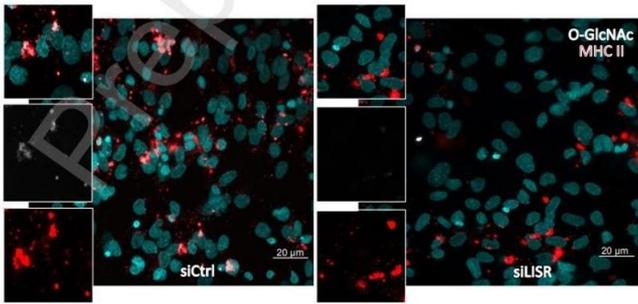
Format: Liquid

Buffer: PBS pH 7.2, 0.1 % (w/v) BSA, 0.09 % (w/v) sodium azide

Preservative: Sodium azide

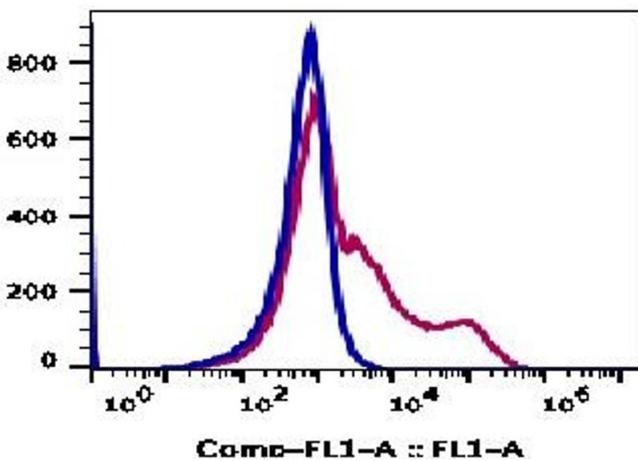
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C



Immunostaining

Image 1. Co-staining for the MHCII (Red) and O-GlcNAc (grey) revealed an overlap between the glycosylation signal and the antigen presenting machinery. Source: 10.2139/ssrn.4430396



Flow Cytometry

Image 2.