

Product Data Sheet

Purified anti-human HLA-DQ

Catalog # / Size:	318102 / 100 µg					
Clone:	HLADQ1					
Isotype:	Mouse IgG1, κ		L M			
Reactivity:	Human	ы				
Preparation:	The antibody was purified by affinity chromatography.	f				
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.	Sell N		1		
Concentration:	0.5 mg/ml	dive (4		
Storage:	The antibody solution should be stored undiluted at 4°C.	Relat	1	1		
Application	S:		H	Canadana		
Applications:	FC - Quality tested IHC - Reported in the literature	1	100	10 ¹ 10 ² Log Fluoresence Intens	10 ³ ity	104
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is $\leq 0.5 \ \mu$ g per 10 ⁶ cells in 100 μ l volume or 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.	F s fo	Human p stained w ollowed i	eripheral blood lym ⁄ith purified HLA-D0 by anti-mouse IgG	phocyte ⊋1, FITC	€S
Application Notes:	: The antibody HLADQ1 reacts with HLA-DQ 4,5,6,7,8,9 but does not react with DQ2, DR or DP. Additional reported (for the relevant formats) applications include: immunohistochemical staining of acetone-fixed frozen sections and formalin-fixed paraffin-embedded tissues.					
Application References:	1. Knapp W, et al. 1989. Leukocyte Typing IV. Oxford University Press. New	/ York				
Description:	HLA-DQ is also known as MHC class II DQ monomorphic antigen. The major of two heterodimeric glycoproteins (α and β chains) with apparent molecular other MHC class II molecules, both polypeptide chains of HLA-DQ are polymextremely high degree of polymorphism. HLA-DQ is expressed on B cells in expressed on activated T cells and some monocytes. HLA-DQ is absent on erythrocytes, and platelets. HLA-DQ is expressed after HLA-DR and HLA-D presents peptide fragments mainly from degraded intravesicular and extract	or histo weigl norphi the po hema P in ho ellular	ocompa hts of 2 ic, with eriphera topoieti ematop protein	atibility complex is 7 and 32 kD. In c the α chain show al blood, and wea c progenitors, res- oietic developme s to CD4+ T lym	s comp ontrast ving an akly sting T ent. HL/ phocyte	osed t to cells, A-DQ es.

Specific alleles of HLA-DQ have been linked to the pathogenesis of several autoimmune diseases (including diabetes), both as a susceptibility and resistance factor depending on the particular polymorphism.

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Poly4053

Antigen References:	 So AK, et al. 1987. J. Immunol. 139:3506. Gyllensten UB Erlih HA. 1989. Proc. Natl. Acad. Sci. USJ Sonderstrup G and McDevitt HO. 2001. J. Clin. Invest. 10 	4 86:9986. 07:795.
Polated Products	Product	Clone

Purified Mouse IgG1, κ Isotype Ctrl APC Goat anti-mouse IgG (minimal x-reactivity)

PE Goat anti-mouse IgG (minimal x-reactivity)

Cell Staining Buffer

Application FC, ICFC, ICC, IF, IHC, IP, WB FC FC FC, ICC, ICFC



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