

CD4 Monoclonal Antibody (RM4-5), Qdot 655

Catalog NumberQ22163

Product data sheet

Details		Species Reactivity	
Size	25 µL	Species reactivity	Mouse
Host/Isotope	Rat / IgG2a	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	Assay-dependent
Clone	RM4-5	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Mouse CD4		
Conjugate	Qdot® 655		
Form	Liquid		
Storage Conditions	4° C		

Background/Target Information

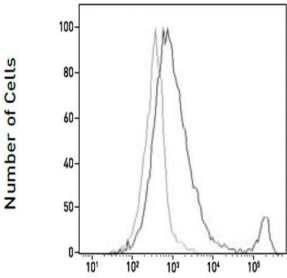
The CD4 antigen is involved in the recognition of MHC class II molecules and is a co-receptor for HIV. CD4 is primarily expressed in a subset of T-lymphocytes, also referred to as T helper cells, but may also be expressed by other cells in the immune system, such as monocytes, macrophages, and dendritic cells. At the tissue level, CD4 expression may be detected in thymus, lymph nodes, tonsils, and spleen, and also in specific regions of the brain, gut, and other non-lymphoid tissues. CD4 functions to initiate or augment the early phase of T-cell activation through its association with the T-cell receptor complex and protein tyrosine kinase, Lck. It may also function as an important mediator of direct neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcripts have been identified in this gene [RefSeq, July 2017].

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Qdot® 655 anti-mouse CD4 conjugate
660/20 band pass filter

CD4 Antibody (Q22163) in Flow

Sample was acquired and analyzed using 405 nm excitation specified band pass emission filter on an Attune® Acoustic Focusing Cytometer (Thermo Fisher Scientific, Carlsbad, CA). The black line histogram represent cells stained with anti-human CD4 antibody conjugate, and the gray line represents unstained cells.

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