

CD8 Monoclonal Antibody (3B5), Qdot 605

Catalog Number      Q10481

Product data sheet

Details		Species Reactivity	
Size	25 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Published species	Human, Not Applicable, Rhesus monkey
Class	Monoclonal		
Type	Antibody	Tested Applications	
Clone	3B5	Flow Cytometry (Flow)	Dilution *
Immunogen	Recognizes the CD8 antigen	Assay-dependent	
Conjugate	Qdot® 605	Published Applications	
Form	Liquid	Flow Cytometry (Flow)	See 7 publications below
Storage Conditions	4° C, do not freeze	Miscellaneous PubMed (Misc)	See 1 publications below
		* 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.	

Background/Target Information

CD8 molecule is composed of two chains termed alpha and beta. CD8 is found on a T cell subset of normal cytotoxic / suppressor cells which make up approximately 20 to 35% of human peripheral blood lymphocytes. The CD8 antigen is also detected on natural killer cells, 80% of thymocytes, on a subpopulation of 30% of peripheral blood null cells and 15 to 30% of bone marrow cells.

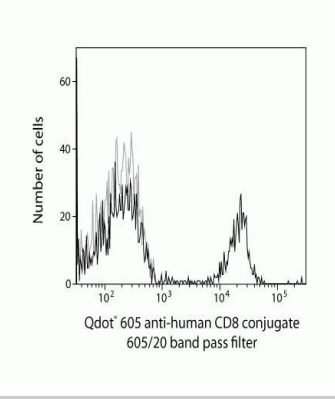
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**CD8 Antibody (Q10481) in Flow**  
Qdot® 605 anti-human CD8 conjugate 605/20 band pass filter



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PubMed References For CD8 Monoclonal Antibody (3B5), Qdot 605

7 Flow Cytometry References

Species / Dilution	Summary
Not Applicable / 1:100	Q10481 was used in flow cytometry to decipher how susequent acute infection is supressed in T cell responses after exposure to subinfectious hepatitis C virus
	Nature medicine ( 2013; 19: 1638) <b>"Subinfectious hepatitis C virus exposures suppress T cell responses against subsequent acute infection."</b> Author(s):Park SH,Veerapu NS,Shin EC,Biancotto A,McCoy JP,Capone S,Folgori A,Rehermann B PubMed Article URL: <a href="http://dx.doi.org/10.1038/nm.3408">http://dx.doi.org/10.1038/nm.3408</a>
Human / Not Cited	Q10481 was used in flow cytometry to study the role of T regulatory cells in HIV infection
	Journal of virology ( 2011; 85: 11422) <b>"Increased frequency of regulatory T cells accompanies increased immune activation in rectal mucosae of HIV-positive noncontrollers."</b> Author(s):Shaw JM,Hunt PW,Critchfield JW,McConnell DH,Garcia JC,Pollard RB,Somsouk M,Deeks SG,Shacklett BL PubMed Article URL: <a href="http://dx.doi.org/10.1128/JVI.05608-11">http://dx.doi.org/10.1128/JVI.05608-11</a>
Not Applicable / Not Cited	Q10481 was used in flow cytometry to investigate the cellular sources of cytokines and chemokines associated with severe malaria
	The Journal of infectious diseases ( 2014; 210: 295) <b>" T cells and CD14+ monocytes are predominant cellular sources of cytokines and chemokines associated with severe malaria."</b> Author(s):Stanisic DI,Cutts J,Eriksson E,Fowkes FJ,Rosanas-Urgell A,Siba P,Laman M,Davis TM,Manning L,Mueller I, Schofield L PubMed Article URL: <a href="http://dx.doi.org/10.1093/infdis/jiu083">http://dx.doi.org/10.1093/infdis/jiu083</a>
Human / 1:400	Q10481 was used in flow cytometry to report the associations among host restriction factors, other established immunological parameters, and HLA type in HIV-1-seronegative individuals
	Journal of leukocyte biology ( 2013; 94: 1051) <b>"Increased expression of intrinsic antiviral genes in HLA-B*57-positive individuals."</b> Author(s):Raposo RA,Abdel-Mohsen M,Holditch SJ,Kuebler PJ,Cheng RG,Eriksson EM,Liao W,Pillai SK,Nixon DF PubMed Article URL: <a href="http://dx.doi.org/10.1189/jlb.0313150">http://dx.doi.org/10.1189/jlb.0313150</a>
Human / Not Cited	Q10481 was used in flow cytometry to investigate cellular restriction of HIV-1
	Retrovirology ( 2013; 10: ) <b>"Expression profile of host restriction factors in HIV-1 elite controllers."</b> Author(s):Abdel-Mohsen M,Raposo RA,Deng X,Li M,Lieglert T,Sinclair E,Salama MS,Ghanem Hel-D,Hoh R,Wong JK, David M,Nixon DF,Deeks SG,Pillai SK PubMed Article URL: <a href="http://dx.doi.org/10.1186/1742-4690-10-106">http://dx.doi.org/10.1186/1742-4690-10-106</a>
Rhesus monkey / Not Cited	Q10481 was used in flow cytometry to test if vaccination alters the activation state of T cells within the gastrointestinal mucosa, inguinal lymph nodes, and peripheral blood
	Human vaccines & immunotherapeutics ( 2012; 8: 1648) <b>"DNA-based HIV vaccines do not induce generalized activation in mucosal tissue T cells."</b> Author(s):Reuter MA,Yuan S,Marx PA,Kutzler MA,Weiner DB,Betts MR PubMed Article URL: <a href="http://dx.doi.org/10.4161/hv.22247">http://dx.doi.org/10.4161/hv.22247</a>
Human / Not Cited	Q10481 was used in flow cytometry to discuss the roles of TCR-gamma/delta T cells and natural killer cells in the mycobacterial-specific immune response
	PloS one ( 2014; 8: ) <b>"The contribution of non-conventional T cells and NK cells in the mycobacterial-specific IFN response in Bacille Calmette-Guérin (BCG)-immunized infants."</b> Author(s):Zufferey C,Germano S,Dutta B,Ritz N,Curtis N PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0077334">http://dx.doi.org/10.1371/journal.pone.0077334</a>

1 Miscellaneous PubMed References

Species / Dilution	Summary
Human / Not Cited	Q10481 was used in flow cytometry to analyze the proliferation and functional profile of circulating double positive T cells from acutely HIV-infected individuals and chronically HIV-infected viral controllers.
	Journal of immunology (Baltimore, Md. : 1950) ( 2012; 188: 4289) <b>"CD4+CD8+ T cells represent a significant portion of the anti-HIV T cell response to acute HIV infection."</b> Author(s):Frahm MA,Picking RA,Kuruc JD,McGee KS,Gay CL,Eron JJ,Hicks CB,Tomaras GD,Ferrari G PubMed Article URL: <a href="http://dx.doi.org/10.4049/jimmunol.1103701">http://dx.doi.org/10.4049/jimmunol.1103701</a>

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