

CD8 Monoclonal Antibody (3B5), Qdot 705

Catalog Number Q10483

Product data sheet

Details		Species Reactivity	
Size	25 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Published species	Human, Rhesus monkey, Not Applicable
Class	Monoclonal		
Type	Antibody	Tested Applications	Dilution *
Clone	3B5	Flow Cytometry (Flow)	Assay-dependent
Immunogen	Recognizes the CD8 antigen	Published Applications	
Conjugate	Qdot® 705	Flow Cytometry (Flow)	See 3 publications below
Form	Liquid	Miscellaneous PubMed (Misc)	See 2 publications below
Storage Conditions	4° C, do not freeze	* 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.

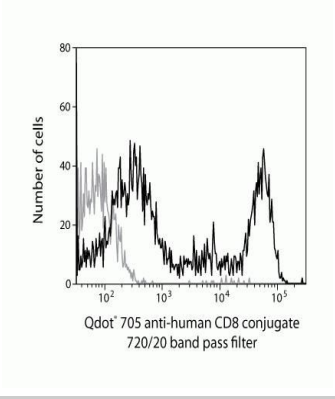
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**CD8 Antibody (Q10483) in Flow**  
Qdot® 705 anti-human CD8 conjugate 720/20 band pass filter



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PubMed References For CD8 Monoclonal Antibody (3B5), Qdot 705

3 Flow Cytometry References

Species / Dilution	Summary
Not Applicable / Not Cited	Q10483 was used in flow cytometry to investigate the anti-influenza responses of T cell subsets
	PloS one (Dec 2014; 9: ) <b>"Cytokine diversity in the Th1-dominated human anti-influenza response caused by variable cytokine expression by Th1 cells, and a minor population of uncommitted IL-2+IFN- Thpp cells."</b> Author(s):Deng N,Weaver JM,Mosmann TR PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0095986">http://dx.doi.org/10.1371/journal.pone.0095986</a>
Rhesus monkey / Not Cited	Q10483 was used in flow cytometry to elucidate how CD8 positive T cells suppress virus replication during simian immunodeficiency virus infection.
	Journal of virology (Sep 2015; 89: 8677) <b>"Differential Impact of In Vivo CD8+ T Lymphocyte Depletion in Controller versus Progressor Simian Immunodeficiency Virus-Infected Macaques."</b> Author(s):Chowdhury A,Hayes TL,Bosinger SE,Lawson BO,Vanderford T,Schmitz JE,Paiardini M,Betts M,Chahroudi A,Estes JD,Silvestri G PubMed Article URL: <a href="http://dx.doi.org/10.1128/JVI.00869-15">http://dx.doi.org/10.1128/JVI.00869-15</a>
Not Applicable / Not Cited	Q10483 was used in flow cytometry to find Munc13-4 is highly expressed in differentiated human natural killer cells and effector CD8(+) T lymphocytes
	The Journal of experimental medicine (Jun 2014; 211: 1079) <b>"Transcriptional regulation of Munc13-4 expression in cytotoxic lymphocytes is disrupted by an intronic mutation associated with a primary immunodeficiency."</b> Author(s):Cichocki F,Schlums H,Li H,Stache V,Holmes T,Lenvik TR,Chiang SC,Miller JS,Meeths M,Anderson SK,Bryceson YT PubMed Article URL: <a href="http://dx.doi.org/10.1084/jem.20131131">http://dx.doi.org/10.1084/jem.20131131</a>

2 Miscellaneous PubMed References

Species / Dilution	Summary
Human / Not Cited	Q10483 was used in flow cytometry to study influenza-specific CD4 T cells respond to vaccination using Ki67 as a marker.
	Vaccine (Jun 2012; 30: 4581) <b>"Ki-67 expression reveals strong, transient influenza specific CD4 T cell responses after adult vaccination."</b> Author(s):Li X,Miao H,Henn A,Topham DJ,Wu H,Zand MS,Mosmann TR PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.vaccine.2012.04.059">http://dx.doi.org/10.1016/j.vaccine.2012.04.059</a>
Human / Not Cited	Q10483 was used in flow cytometry to examine human cross-reactive T cells against a pandemic virus.
	Vaccine (Mar 2011; 29: 2159) <b>"CD8+ T cell immunity to 2009 pandemic and seasonal H1N1 influenza viruses."</b> Author(s):Scheible K,Zhang G,Baer J,Azadniv M,Lambert K,Pryhuber G,Treanor JJ,Topham DJ PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.vaccine.2010.12.073">http://dx.doi.org/10.1016/j.vaccine.2010.12.073</a>

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