

CD80 Monoclonal Antibody (16-10A1), FITC

Catalog NumberA18657

Product data sheet

Details		Species Reactivity	
Size	25 µg	Species reactivity	Mouse
Host/Isotope	Armenian hamster / IgG	Published species	Mouse
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Flow Cytometry (Flow)	Assay-dependent
Clone	16-10A1	Published Applications	
Immunogen	Mouse Cd80 transfected CHO cell line.	Miscellaneous PubMed (Misc)	See 1 publications below
Conjugate	FITC	* 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.	
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	4° C, store in dark		

Background/Target Information

CD80 (B7-1) and CD86 (B7-2) are ligands of T cell critical costimulatory molecule CD28, and of an inhibitory receptor CTLA-4 (CD152). Both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, and both molecules can also substitute for each other in this process. CD80 is rapidly induced on the surface of in vitro activated B cells, with Epstein Barr Virus (EBV) transformed B cell lines, with Burkitts lymphoma cell lines, with freshly isolated follicular B lymphoma cells, T cells, and monocytes. The B-lymphocyte activation antigen B7-1 provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 and CTLA4 ligands of T cells. Diseases associated with CD80 dysfunction include gallbladder squamous cell carcinoma and myocarditis.

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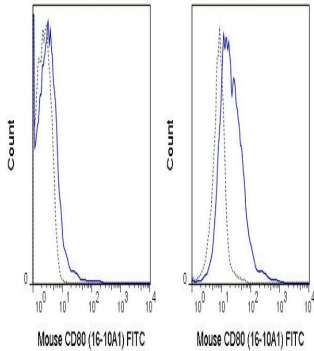
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CD80 Antibody (A18657) in Flow

C57Bl/6 splenocytes were unstimulated (left panel) or stimulated for 3 days with LPS (right panel) and stained with 0.25 µg FITC Anti-Mouse CD80 (A18657) (solid line) or 0.25 µg FITC Armenian Hamster isotype control (dashed line).



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PubMed References For CD80 Monoclonal Antibody (16-10A1), FITC

1 Miscellaneous PubMed References

Species / Dilution	Summary
Mouse / Not Cited	<p>A18657 was used in flow cytometry to study the immunogenicity and immunomodulatory properties of bone marrow-derived mesenchymal stem cells using an allogeneic mouse model.</p> <p>Journal of tissue engineering (2014; 5:)</p> <p>"Immunogenicity of undifferentiated and differentiated allogeneic mouse mesenchymal stem cells."</p> <p>Author(s):Mukonoweshuro B,Brown CJ,Fisher J,Ingham E</p> <p>PubMed Article URL:http://dx.doi.org/10.1177/2041731414534255</p>

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