

CD80 Polyclonal Antibody

Catalog NumberPA5-24941

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Flow Cytometry (Flow)	1:10-1:50
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 260-288 amino acids from the C-terminal region of human CD80	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.46 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

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.

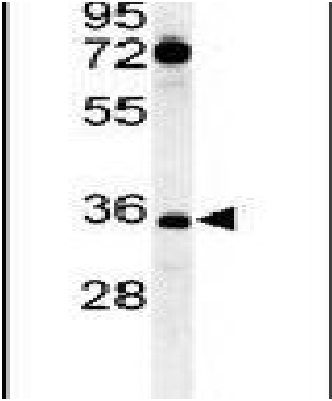
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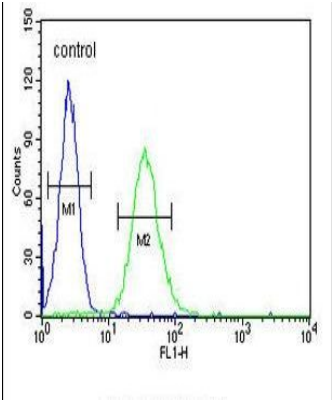
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Product Images For CD80 Polyclonal Antibody



CD80 Antibody (PA5-24941) in WB
Western blot analysis using a CD80 polyclonal antibody (Product # PA5-24941) in HL-60 cell lysates (35 µg per lane).



CD80 Antibody (PA5-24941) in Flow
Flow cytometry analysis of HL-60 cells using a CD80 polyclonal antibody (Product # PA5-24941) (right) compared to a negative control cell (left) at a dilution of 1:10-50, followed by a FITC-conjugated goat anti-rabbit antibody

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