

CD63 Monoclonal Antibody (MEM-259), PerCP

Catalog NumberMA1-10269

Product data sheet

Details		Species Reactivity	
Size	100 Tests	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	10 µL/1x10^6 cells
Clone	MEM-259	* 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	HPB-ALL T cell line		
Conjugate	PerCP		
Form	Liquid		
Purification	Size-exclusion chromatography		
Storage buffer	PBS, pH 7.4, with 0.2% BSA		
Contains	15mM sodium azide		
Storage Conditions	4° C, store in dark, DO NOT FREEZE!		

Background/Target Information

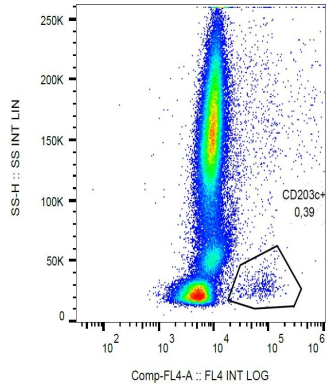
CD63 (LAMP-3, lysosome-associated membrane protein-3), a glycoprotein of tetraspanin family, is present in late endosomes, lysosomes and secretory vesicles of various cell types. CD63 is also present in the plasma membrane, usually following cell activation. Hence, CD63 has become a widely used basophil activation marker. In mast cells, however, CD63 exposition does not need their activation. CD63 interacts with integrins and affects phagocytosis and cell migration, it is also involved in H/K-ATPase trafficking regulation of ROMK1 channels. CD63 also serves as a T-cell costimulation molecule. Expression of CD63 can be used for predicting the prognosis in earlier stages of carcinomas. CD63 is expressed on activated platelets, and is a lysosomal membrane glycoprotein that is translocated to plasma membrane after platelet activation. CD63 is also present in monocytes and macrophages and is weakly expressed on granulocytes, B, and T cells. CD63 is identical to the melanoma-associated antigen which is ME491 and to the platelet antigen PTLGP40. Diseases associated with CD63 dysfunction include melanoma and Hermansky-Pudlak Syndrome.

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CD63 Antibody (MA1-10269) in Flow

Flow cytometry analysis of IgE-activated peripheral human blood stained with anti-human CD63 (MEM-259) PerCP Monoclonal antibody (Product # MA1-10269).

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