

CD205 Monoclonal Antibody (MG38), PE

Catalog NumberA18372

Product data sheet

Details		Species Reactivity	
Size	25 tests	Species reactivity	Human
Host/Isotope	Mouse / IgG2b, kappa	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	Assay-dependent
Clone	MG38	* 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	Human CD205		
Conjugate	PE		
Form	Liquid		
Concentration	12 µg/mL		
Storage Conditions	4° C		

Background/Target Information

CD205 (LY25, Lymphocyte Antigen 75) is an integral membrane glycoprotein involved in antigen uptake, trafficking and presentation that improves the induction of antigen-specific T cell immunity. CD205 is highly expressed by CD8+ dendritic cells (DCs) and also expressed at different levels by bone marrow Gr1+ cells, Langerhans cells, (BMDC) bone marrow derived DCs and thymic epithelial cells. CD205 acts as an endocytic receptor that directs captured antigens to the extracellular space towards a specialized antigen processing region. Further, CD205 also prompts the reduced proliferation of B lymphocytes. Diseases associated with CD205 dysfunction include pneumonic plague and lipid pneumonia.

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