

Ly-6G Monoclonal Antibody (RB6-8C5), Alexa Fluor 700

Catalog NumberRM3029

Product data sheet

Details		Species Reactivity	
Size	1 mL	Species reactivity	Mouse
Host/Isotope	Rat / IgG2b	<div>Tested ApplicationsDilution *</div> <div>Flow Cytometry (Flow)Assay-dependent</div>	
Class	Monoclonal		
Type	Antibody	<div>* 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.</div>	
Clone	RB6-8C5		
Immunogen	Normal murine bone marrow cells		
Conjugate	Alexa Fluor® 700		
Form	Liquid		
Storage Conditions	4° C		

Background/Target Information

Ly6G (Lymphocyte antigen 6 complex locus G6D) is a component of the myeloid differentiation antigen Gr-1, together with Ly6C. The Ly6G protein has a molecular weight of approximately 21-25 kDa and is expressed by myeloid derived cells in the bone marrow. Ly6G is a good marker for detection of peripheral neutrophils, monocytes and granulocytes. Expression of Gr-1 in bone marrow correlates with granulocyte differentiation and maturation. The physiological role of Ly6G remains unclear but studies have shown its involvement in anti-tumor response, and studies with neutrophils suggest that Ly6G ligation may have an inhibitory effect on local immune responses.

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