antibodies -online.com







anti-LY75/DEC-205 antibody (Alexa Fluor 647)



Images



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Quantity:	100 μg
Target:	LY75/DEC-205 (LY75)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This LY75/DEC-205 antibody is conjugated to Alexa Fluor 647
Application:	ELISA, Flow Cytometry (FACS), Blocking Reagent (BR)
Product Details	

Product Details

Clone:	NLDC-145
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647
	under optimal conditions.

Target Details

Target:	LY75/DEC-205 (LY75)	
Alternative Name:	CD205 (LY75 Products)	
Background:	CD205, also known as DEC-205, is a 205 kD integral membrane protein homologous to the	
	macrophage mannose receptor. It is a type I cell surface protein that belongs to the C-type	
	lectin family. CD205 is expressed at high levels by dendritic cells and thymic epithelial cells. It is	
	also expressed by a number of other cell types, such as B lymphocytes, macrophages,	

Langerhans cells, bone marrow stromal cells, granulocytes, epithelial cells of pulmonary airways, and the capillaries of the brain. CD205 is a novel endocytic receptor used by dendritic cells and thymic epithelial cells to direct captured antigens from the extracellular space to specialized antigen processing. It mediates antigen uptake and presentation and cross-presentation to T cells. It has been reported that CD205 acts as a recognition receptor for dying cells, potentially provides an important pathway for the uptake of self-antigen in the intrathymic environment, and is involved in peripheral tolerance. Antibody-mediated antigen-targeting via the DEC-205 receptor increases the efficiency of vaccination for T cell immunity.

Application Details

Handling Advice:

Storage:

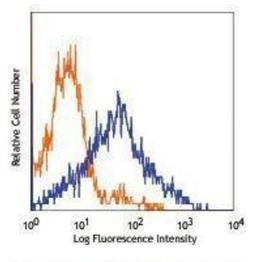
Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Concentration:	0.5 mg/mL	
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.	
Preservative:	Sodium azide	

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C

4°C

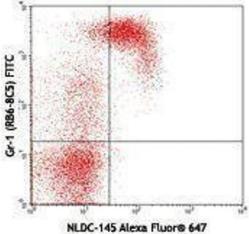
should be handled by trained staff only.

Protect from prolonged exposure to light. Do not freeze.



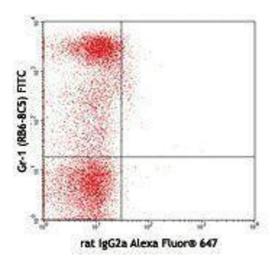
Flow Cytometry

Image 1.



Flow Cytometry

Image 2.



Flow Cytometry

Image 3.