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anti-Sca-1/Ly-6A/E antibody



Image



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Quantity:	0.5 mg	
Target:	Sca-1/Ly-6A/E (Ly6a)	
Reactivity:	Mouse	
Host:	Rat	
Clonality:	Monoclonal	
Conjugate:	This Sca-1/Ly-6A/E antibody is un-conjugated	
Application:	Flow Cytometry (FACS)	

Product Details

Immunogen:	IL-2 dependent mouse (C57BL/6) cytotoxic T cell line CTL-L	
Clone:	D7	
Isotype:	lgG2a	
Specificity:	Mouse Ly-6A/E (Ly-6A.2 & Ly-6E.1), Mr 18 kDa	
Characteristics:	Rat Anti-Mouse Ly-6A/E-UNLB	
Purification:	Purified	

Target Details

Target:	Sca-1/Ly-6A/E (Ly6a)	
Alternative Name:	Ly-6A/E (Ly6a Products)	
Background:	Ly-6A/E, also known as Sca-1, is a member of the Ly-6 multigene family of type V	

glycophosphatidylinositol-anchored cell surface proteins. It is expressed on multipotent hematopoietic stem cells in bone marrow of mice with both the Ly-6.1 and Ly-6.2 allotypes. In the periphery, Ly-6A/E exhibits a pattern of expression which is based on differences between the two allotypes. Ly-6.1 strains (e.g., A, BALB/c, CBA, C3H/He, DBA/1, NZB) have few Ly-6A/E+ resting peripheral lymphocytes, whereas Ly-6.2 strains (e.g., AKR, C57BL, C57BR, C57L, DBA/2, PL, SJL, SWR, 129) have relatively high numbers of Ly-6A/E+ lymphocytes. The expression of Ly-6A/E is dramatically upregulated in all strains upon cellular activation.

Pathways:

Sensory Perception of Sound, Activated T Cell Proliferation

Application Details

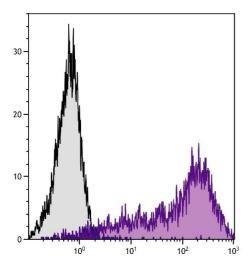
Application Notes:

- **Applications:** FC Quality tested , IHC-FS Reported in literature , IHC-PS Reported in literature , IP Reported in literature , WB Reported in literature , Costim Reported in literature
- Working Dilutions: Flow Cytometry FITC, BIOT, and AF488 conjugates 1 g/106 cells PE, APC, SPRD, PE/CY5.5, PACBLU, and AF647 conjugates 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Comment:	In vitro lymphocyte activation	
Sample Volume:	1 mL	
Restrictions:	For Research Use only	

Handling

Concentration:	0.5 mg/mL	
Buffer:	0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added	
Preservative:	Without preservative	
Handling Advice:	Each reagent is stable for the period shown on the bottle label if stored as directed.	
Storage:	4 °C	
Storage Comment:	Store at 2-8°C	



Flow Cytometry

Image 1. Con-A stimulated BALB/c mouse splenocytes were stained with Rat Anti-Mouse Ly-6A/E-UNLB.