

[Go to Product page](#)

Datasheet for ABIN7457321

**anti-Sca-1/Ly-6A/E antibody (PE-Cy5)**

## Overview

Quantity:	25 µg
Target:	Sca-1/Ly-6A/E (Ly6a)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Sca-1/Ly-6A/E antibody is conjugated to PE-Cy5
Application:	Flow Cytometry (FACS)

## Product Details

Clone:	D7
Isotype:	IgG2a, kappa

## Target Details

Target:	Sca-1/Ly-6A/E (Ly6a)
Alternative Name:	Ly6A/E(Sca-1) ( <a href="#">Ly6a Products</a> )
Background:	Ly6a, Ly6, Ly-6A.2/Ly-6E.1, SCA-1, TAP, Ly-6A/E, also known as Sca-1, is an 18 kD member of the Ly-6 multigene family. Ly6A/E is a glycosylphosphatidylinositol (GPI)-linked protein expressed on hematopoietic stem cells. In mice expressing the Ly-6.2 haplotype (e.g., AKR, C57BL, C57BR, DBA/2, SJL, SWR, and 129), Ly-6A/E is also expressed on peripheral B lymphocytes and thymic and peripheral T lymphocytes. Strains expressing the Ly-6.1 haplotype (e.g., BALB/c, CBA, C3H/He, DBA/1, and NZB) have low Ly-6A/E expression on resting peripheral lymphocytes. The

## Target Details

---

expression of Ly-6A/E on lymphocytes is upregulated upon activation from both Ly6.1 and Ly6.2 haplotype mice. Ly-6A/E is thought to be involved in the regulation of both T and B cell responses.

Gene ID: 110454

UniProt: [P05533](#)

Pathways: [Sensory Perception of Sound, Activated T Cell Proliferation](#)

## Application Details

---

Application Notes: Check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

Comment: Matching Isotype Control: PE/Cyanine5 Rat IgG2a,  $\kappa$  Isotype Control (ABIN7469843)

Restrictions: For Research Use only

## Handling

---

Concentration: 0.2 mg/mL

Buffer: PBS with 0.05 % Proclin300, 1 % BSA

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.