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Datasheet for ABIN7470037  
**anti-CD44 Standard antibody (PE-Cy7)**

## Overview

Quantity:	25 µg
Target:	CD44 Standard (CD44s)
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD44 Standard antibody is conjugated to PE-Cy7
Application:	Flow Cytometry (FACS)

## Product Details

Clone:	OX-49
Isotype:	IgG2a, kappa

## Target Details

Target:	CD44 Standard (CD44s)
Alternative Name:	CD44H ( <a href="#">CD44s Products</a> )
Background:	Pgp-1, H-CAM, CD44s, CD44H, CD44 is an 80-95 kD cell surface glycoprotein. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. It is up-regulated when T cells and B cells are activated. It was reported that CD44 is a valuable marker for memory T cells. CD44 is an adhesion molecule involved in leukocyte adhesion and homing to lymphoid organs. The OX-49 antibody reacts with CD44H (known as CD44s) expressed on most leukocytes, except for a subset of B lymphocytes. The epitope recognized by OX-49 antibody

## Target Details

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has been mapped to a region on both the standard, CD44s, and the splice variant, CD44v, isoforms of CD44. However it was reported that OX-49 antibody cannot detect the CD44V isoform, possibly due to conformational changes in the epitope.

Gene ID: 12505

UniProt: [P26051](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Matching Isotype Control: PE/Cyanine7 Mouse IgG2a,  $\kappa$  Isotype Control (ABIN7469791)

Restrictions: For Research Use only

## Handling

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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.