

PE/Cyanine5 Anti-Rat CD44H Antibody[OX-49]

Catalog No.	E-AB-F1225G	Reactivity	Rat
Storage	Store at 2~8°C, Avoid freeze / thaw cycles	Applications	FCM

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Antigen Information

Alternate Names	Pgp-1, H-CAM, CD44s, CD44H
Uniprot ID	P26051
Background	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 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.

Product Details

Form	Liquid
Size	50Tests/100Tests/100Tests×2
Clone No.	OX-49
Host	Mouse
Isotype	Mouse IgG2a, κ
Reactivity	Rat
Application	FCM
Isotype Control	PE/Cyanine5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802G]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 °C
Stability & Storage	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. This product is guaranteed up to one year from purchase.

For Research Use Only

Fluorophore

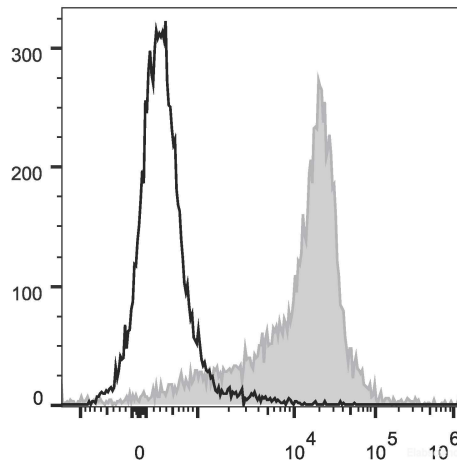
Conjugation: PE/Cyanine5

PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Product data



Rat splenocytes are stained with PE/Cyanine5 Anti-Rat CD44H Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>