PE/Cyanine7 Anti-Human CD44 Antibody[Hermes-1]

Catalog No.	E-AB-F1215H	**Reactivity**	Human
Storage	Store at 2~8℃, Avoid freeze / thaw cycles	**Applications**	FCM

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

Antigen Information

Alternate Names	LHR,PGP-I,CDw44,Epican,HUTCH-I
Uniprot ID	P16070
Background	CD44 is a 80-95 kD glycoprotein also known as Hermes, Pgp1, H-CAM, or HUTCH. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. As B and T cells become activated or progress to the memory stage, CD44 expression increases from a low or mid level of intensity to high expression levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. CD44 is an adhesion molecule involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to the sites of inflammation, and leukocyte aggregation.

Product Details

Form	Liquid
Size	20Tests/100Tests/100Tests×2
Clone No.	Hermes-1
Host	Rat
Isotype	Rat IgG2a, κ
Reactivity	Human
Application	FCM
Isotype Control	PE/Cyanine7 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832H]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 ℃
Stability & Storage	Keep as concentrated solution. Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase.

Fluorophore

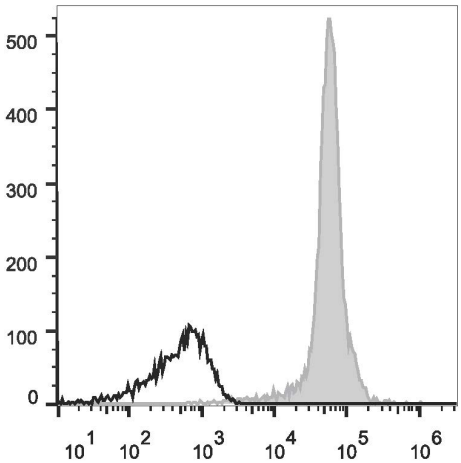
Conjugation: PE/Cyanine7

PE/Cyanine7 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 775 nm (e.g., a 780/60 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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Product data



Human peripheral blood lymphocytes are stained with PE/Cyanine7 Anti-Human CD44 Antibody (filled gray histogram). Unstained lymphocytes (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