

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor® Violet 450 Anti-Human CD44 Antibody[Hermes-1]

Catalog Number: E-AB-F1215Q

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

#### **Description**

Reactivity Human Host Rat

Isotype Rat IgG2a, κ
Clone No. Hermes-1

Isotype Control Elab Fluor® Violet 450 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832Q]

**Conjugation** Elab Fluor<sup>®</sup> Violet 450

**Conjugation Information** Elab Fluor<sup>®</sup> Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

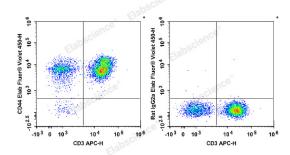
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

**FCM** 

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

#### Data



Human peripheral blood lymphocytes are stained with APC

Anti-Human CD3 Antibody and Elab Fluor<sup>®</sup> Violet 450 Anti-Human CD44 Antibody (Left). Lymphocytes are stained with

APC Anti-Human CD3 Antibody and Elab Fluor<sup>®</sup> Violet 450 Rat IgG2a, κ Isotype Control (Right).

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names CDw44;Epican;HUTCH-I;LHR;PGP-I

 Uniprot ID
 P16070

 Gene ID
 960

### For Research Use Only

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# Elabscience®

#### **Elabscience Bionovation Inc.**

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#### **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.

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