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## **APC Anti-Human CD44 Antibody[HI313]**

Catalog Number: E-AB-F1329E

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

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. HI313

Isotype Control APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

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

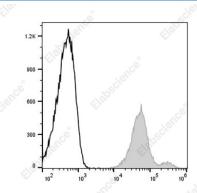
#### Applications Recommended usage

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



Staining of normal human peripheral blood cells with APC Anti-Human CD44 Antibody[HI313] (filled gray histogram) or APC Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

#### **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 CD44 antigen;CD44;CDw44;Epican;Phagocytic glycoprotein 1;PGP-1;Phagocytic

glycoprotein I;PGP-I;CD44;LHR;MDU2;MDU3;MIC4

 Uniprot ID
 P16070

 Gene ID
 960

### For Research Use Only

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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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