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# PE/Cyanine 5 Anti-Human CD326/EpCAM Antibody[9C4]

Catalog Number: E-AB-F1163G

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

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG2b, κ

Clone No. 9C4

Isotype Control PE/Cyanine5 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812G]

Conjugation PE/Cyanine 5

Conjugation Information 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).

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

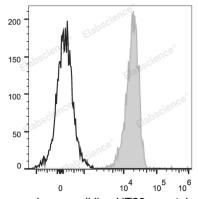
## Applications Recommended usage

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 colon carcinoma cell line HT29 are stained with PE/Cyanine5 Anti-Human CD326 Antibody (filled gray histogram). Unstained Human colon carcinoma cell line HT29 (empty black histogram) are used as control.

## **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 TROP1;Ep-CAM;EpCAM;GA733-2;M1S2;M4S1;MIC18;TACSTD1

 Uniprot ID
 P16422

 Gene ID
 4072

# For Research Use Only

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## **Elabscience Bionovation Inc.**



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## **Background**

CD326 is also known as Ep-CAM, tumor associated calcium signal transducer 1, epithelial cell surface antigen, epithelial glycoprotein 2, EGP2, adenocarcinoma associated antigen, and TROP1. CD326 is a type I transmembrane protein containing six disulfide bridges and one THYRO domain. This cell surface glycosylated 40 kD protein is highly expressed in bone marrow, colon, lung, and most normal epithelial cells and is expressed on carcinomas of gastrointestinal origin. Recently, it has been reported that CD326 expression occurs during the early steps of erythrogenesis. CD326 functions as a homotypic calcium-independent cell adhesion molecule and is believed to be involved in carcinogenesis by its ability to induce genes involved in cellular metabolism and proliferation. CD326 antigen is an immunotherapeutic target for the treatment of human carcinomas.

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