

PE/Cyanine5 Anti-Human CD47 Antibody[CC2C6D4]

Catalog Number: E-AB-F1060G

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

Description

| | |
|-------------------------|--|
| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | CC2C6D4 |
| Isotype Control | PE/Cyanine5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792G] |
| 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% sodium azide and 1% BSA. |

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 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.

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

Cd47;IAP;Integrin-associated protein;Leukocyte surface antigen CD47

Uniprot ID

Q08722

Gene ID

961

Background

CD47 also known as Rh-associated protein, gp42, integrin-associated protein (IAP), and neurophilin, is a 42-52 kD member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. Two splice variants have been described in the cytoplasmic tail, the shorter form is expressed in bone-marrow-derived cells, endothelial cells, and fibroblasts while the longer form is expressed by neural tissues. CD47 expression is widely distributed in hematopoietic cells including thymocytes, T cells, B cells, monocytes, platelets, and erythrocytes as well as epithelial cells, endothelial cells, fibroblasts, and neural tissues. CD47 functions as an adhesion molecule and thrombospondin receptor and is non-covalently associated with β 3 integrins CD51/CD61, CD41/CD61. Thrombospondin is a ligand for CD47; in the absence of CD47 mice show defects in host defense and β 3 integrin-dependent ligand binding, migration, and cellular activation. CD47 is also part of the Rh complex on erythrocytes.

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