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Biotin Anti-Human CD47 Antibody[CC2C6D4]

Catalog Number: E-AB-F1060B

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ Clone No. CC2C6D4

Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B] Isotype Control

Conjugation

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

Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow **FCM**

> cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per 10⁶ cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. 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 β3 integrins CD51/CD61, CD41/CD61. Thrombospondin is a ligand for CD47; in the absence of CD47 mice show defects in host defense and β3 integrin-dependent ligand binding, migration, and cellular activation. CD47 is also part of the Rh complex on

erythrocytes.

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Web:www.elabscience.com

Email:techsupport@elabscience.com