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APC Anti-Human CD46 Antibody[TRA-2-10]

Catalog Number: AN00324E

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG1, κ
Clone No. TRA-2-10

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 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 Complement membrane cofactor protein; measles virus receptor; MCP

 Uniprot ID
 P15529

 Gene ID
 4179

Background CD46 is a transmembrane protein that is known as a complement membrane cofactor

protein, MCP, and measles virus receptor. It is widely expressed on leukocytes, platelets, epithelial cells, and fibroblasts. Multiple isoforms of CD46 have been reported with molecular weights ranging from 45-75 kD. CD46 binds complement components C3b and C4b and has been reported to play a role in T cell regulation. In addition to the complement components, CD46 has been shown to interact with moesin, c-Src, tetraspanin 4, c-Yes, and integrin $\beta 1$. CD46 is also known to be a cellular receptor for human measles virus and human herpes virus-6 as well as other human pathogens, such as Streptococcus pyogenes. Defects in CD46 have been

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associated with hemolytic-uremic syndrome.

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