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## PE/Elab Fluor® 594 Anti-Human CD46 Antibody[TRA-2-10]

Catalog Number: AN00324P

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

Description

Reactivity Human Mouse Host

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

Isotype Control PE/Elab Fluor<sup>®</sup> 594 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792P]

Conjugation PE/Elab Fluor®594

**Conjugation Information** PE/Elab Fluor® 594 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 620 nm

(e.g., a 610/20 nm bandpass filter).

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

**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 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

**Preparation & Storage** 

Keep as concentrated solution. Storage

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

P15529 **Uniprot ID** 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 is oforms 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 β1. 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

associated with hemolytic-uremic syndrome.

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