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PE/Cyanine5 Anti-Human CD156c(ADAM10) Antibody[11G2]

Catalog Number: AN00355G

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG1, κ

Clone No. 11G2

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% stabilizer.

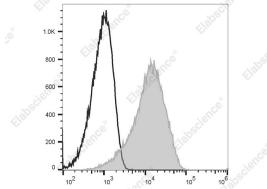
Applications Recommended usage

FCM Each lot of this antibody is quality control tested by immunofluorescent staining with 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.

Data



Staining of normal human peripheral blood cells with PE/Cyanine5 Anti-Human CD156c (ADAM10) Antibody[11G2] (filled gray histogram) or PE/Cyanine5 Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

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 MADM;KUZ;alpha-secretase

Uniprot ID O14672

For Research Use Only

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Gene ID **Background** 4684

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CD156c, also known as a disintegrin and metalloproteinase domain-containing protein 10 (ADAM10), is a 748 amino acid type I membrane glycoprotein ubiquitously expressed on most cell types. It consists of multiple functional domains, including a Nterminal prodomain, catalytic domain, cysteine-rich domain, transmembranous domain, and cytoplasmic domain. It is secreted as a precursor protein and becomes as the activate/mature form through removing the ADAM10 prodomain by proprotein convertase 7 and furin. ADAM10 functions as metalloproteinase to cleave several molecules including Notch, pro-TNF-α, amyloid precursor protein, myelin basic protein, and type IV collagen. It mediates the release of several cell adhesion molecules such as vascular endothelial cadherin or L-selectin to regulate endothelial permeability and leukocyte transmigration. Dysregulation of ADAM activity may contribute to the pathogenesis of vascular diseases.

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