

Purified Anti-Human CD156c Antibody[SHM14]

catalog number: AN009370P

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

Description

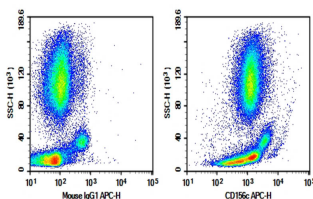
| | |
|---------------------|---|
| Reactivity | Human |
| Immunogen | Recombinant Human CD156c protein |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone | SHM14 |
| Purification | >98%, Protein A/G purified |
| Buffer | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling. |

Applications

Recommended Dilution

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|------------|---|
| FCM | 2 μ g/mL (0.5 \times 10 ⁶ -1 \times 10 ⁶ cells) |
|------------|---|

Data



Human peripheral blood were stained with 0.2 μ g Purified Anti-Human CD156c Antibody[SHM14] (Right) and 0.2 μ g Mouse IgG1, κ Isotype Control(Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

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|-----------------|--|
| Storage | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| Shipping | Ice bag |

Background

ADAM10 (also known as Kuzbanian, mammalian disintegrin metalloprotease, myelin-associated metalloproteinase) is a member of the ADAM family that contains a disintegrin and metalloprotease-like domain . Like other membrane-anchored ADAMs, ADAM10 consists of the following domains, pro with a cysteine switch and furin cleavage sequence, catalytic with the zinc-binding site and Met-turn expected for reprolysins, disintegrin-like, cysteine-rich, EGF-like, transmembrane, and cytoplasmic. ADAM10 is highly conserved, with 97% amino acid identity between mouse, rat, bovine and human and 45% identity between mouse and Drosophila. The active enzyme processes notch, notch ligand delta, and amyloid protein precursor at the alpha site, playing an important role in neurogenesis . It also processes the 26 kDa membrane-anchored pro-tumor necrosis factor-alpha (TNF-alpha) to the 17 kDa mature TNF-alpha. It cleaves myelin basic protein and type IV collagen. ADAM10 is widely expressed in tissues and resides both on the cell surface and in the cell.

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