CD164 (DMC476) IGG1 CHIMERIC MAB

Cat.#: 28252

Product Name: Anti-CD164(DMC476) IgG1 Chimeric Monoclonal Antibody

Synonyms: LMOR; M-OR-1; MOP; MOR; MOR1; OPRM

Description: Anti-CD164 antibody(DMC476) IgG1 Chimeric Monoclonal Antibody

Background: This gene encodes one of at least three opioid receptors in humans; the mu opioid receptor (MOR). The MOR is the principal target of endogenous opioid peptides and opioid analgesic agents such as beta-endorphin and enkephalins. The MOR also has an important role in dependence to other drugs of abuse; such as nicotine; cocaine; and alcohol via its modulation of the dopamine system. The NM_001008503.2:c.118A>G allele has been associated with opioid and alcohol addiction and variations in pain sensitivity but evidence for it having a causal role is conflicting. Multiple transcript variants encoding different isoforms have been found for this gene. Though the canonical MOR belongs to the superfamily of 7-transmembrane-spanning G-protein-coupled receptors some isoforms of this gene have only 6 transmembrane domains. [provided by RefSeq; Oct 2013]

Applications: Flow Cyt

Recommended Dilutions: Flow Cyt 1:100

Host Species: Rabbit

Isotype: Rabbit:Human Fc chimeric IgG1

Purification: Purified from cell culture supernatant by affinity chromatography

Species Reactivity: Human CD164

Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

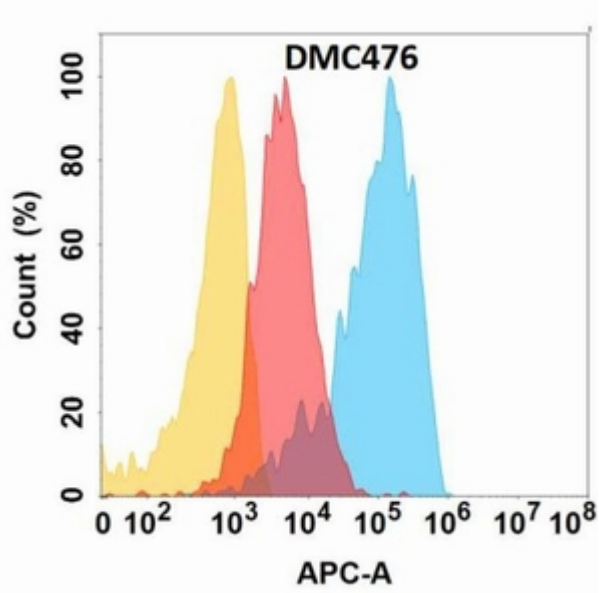

Figure 1. CD164 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-CD164 (DMC476) on Expi293 cells transfected with human CD164 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).