Anti-CD278/ICOS-151Eu

Catalog: 3151020B
Package size: 100 tests
Storage: Store product at 4 °C. Do not freeze.
Cross-reactivity: Rhesus, Rat, Mouse, Human, Porcine

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended usage: The suggested use is 1 µL for up to 3 x 10^6 live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Human PBMCs were incubated for 3 days in media alone (left) or with PHA (right) and then stained with 154Sm-anti-CD3 (UCHT1) and 151Eu-anti-CD278/ICOS (C398.4A). Total viable cells are displayed in the analysis.

Description

CD278, also known as ICOS, is a 50–60 kDa homodimeric membrane glycoprotein and a member of the CD28 family reacting with the inducible co-stimulatory (ICOS) molecule. It is highly expressed on activated T cells. It is the receptor for B7-related protein 1 (B7RP-1). Like CD28, ICOS is a co-stimulatory signal for T cell activation and proliferation and cytokine production. It is not expressed on resting or activated B cells, monocytes, NK cells, granulocytes, dendritic cells or platelets. Unlike the constitutively expressed CD28, ICOS expression is de novo. It has been suggested that ICOS may play an important role in IL-10 production. In the presence of IL-10, purified recombinant human ICOS significantly increased in vitro B cell growth stimulated by pokeweed mitogen (PWM) and enhanced production of IgG.

References
