Anti-Human CD278/ICOS-151Eu

Catalog #: 3151008B
Package Size: 28 tests
Storage: Store product at 4°C. Do not freeze.
Cross Reactivity: Human

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 $3 \times 10^6$ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

CD278, also known as ICOS, is a 50-60 kDa homodimeric membrane glycoprotein and a member of the CD28 family reacting with inducible costimulatory (ICOS) molecule. It is highly expressed on activated T cells. It is the receptor for B7 related protein 1 (B7RP-1) and also, like CD28, ICOS is costimulatory signal for T cell activation, 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 presence IL-10, purified recombinant human ICOS significantly increased in vitro B cell growth stimulated by pokeweed mitogen (PWM) and enhanced production of IgG.

References


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