Anti-Human Invariant NK T-170Er

Catalog: 3170015B
Clone: 6B11
Package Size: 100 tests
Isotype: IgG1

Storage: Store product at 4°C. Do not freeze.

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Rhesus, Pigtailed Macaque, Sooty Mangabey, 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 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

Monoclonal antibody 6B11 reacts with a unique determinant in the CDR3 region of the invariant (Vα24-JαQ) TCR chain. 6B11 identifies invariant NKT (iNKT) cells, which are a small subset of T lymphocytes that also express other NK cell molecules such as CD161. Vα24-JαQ TCR interacts with the glycolipid loaded MHC class 1b molecule CD1d, inducing activation and subsequent cytokine production. CD1d-presented antigen resulting in rapid production of IL-4 and IFN (also known as IFN-γ). It has been reported that iNKT cells play an immunoregulatory role and participate in anti-tumor immunity and autoimmunity.

References


For technical support visit fluidigm.com/support

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