

A Reliable Research Partner in Life Science and Medicine

# PE Anti-Human TCR Vα24-Jα18 Antibody[6B11]

Catalog Number: AN00568D

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

#### Description

Reactivity Human

Host Mouse

Isotype Mouse IgG1

Clone No. 6B11

Isotype Control PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]

Conjugation PE

Conjugation Information PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

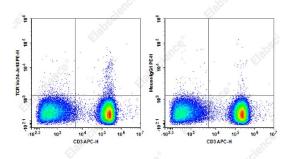
### Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

## Data



Staining of normal human peripheral blood cells with APC Anti-Human CD3 Antibody and PE Anti-Human TCR V $\alpha$ 24-J $\alpha$ 18 Antibody[6B11] (left) or PE Mouse IgG1,  $\kappa$  Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

### **Antigen Information**

Alternate Names TCR Vα24-Jα18;TCR Vα24-JαQ;invariant NKT cell;iNKT

**Gene ID** 28659

# For Research Use Only

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#### **Elabscience Bionovation Inc.**

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# **Background**

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Encoded by the TCR  $V\alpha 24$ -J $\alpha 18$  germline configuration,  $V\alpha 24$ -J $\alpha Q$  is expressed on a subset of NKT cells, namely invariant NKT (iNKT). Va24-JaQ TCR interacts with the glycolipid loaded MHC class 1b molecule CD1d, inducing activation and subsequent cytokine production. iNKT cells have been implicated in immune regulation, tumor surveillance, and host response to pathogens. While iNKT cells occur at low frequency in the blood, assorted chemokines contribute to their tissue homing potential.

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