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# APC Anti-Mouse CD6 Antibody[OX-129]

Catalog Number: AN00327E

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

#### Description

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ
Clone No. OX-129

Isotype Control APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

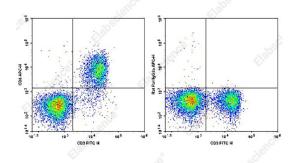
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### 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 C57BL/6 murine splenocytes cells with FITC Anti-Mouse CD3 Antibody and APC Anti-Mouse CD6 Antibody[OX-129] (left) or APC Rat IgG2a, κ Isotype Control (right). Total viable cells 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
 CD6;TP120

 Uniprot ID
 Q61003

 Gene ID
 12511

# For Research Use Only

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## **Background**

CD6, a 100 kD monomeric T cell surface glycoprotein, is a member of the scavenger receptor cysteine-rich protein superfamily. It is expressed on mouse thymocytes and splenic T cells and neurons, but not on splenic B cells. CD6 has a long cytoplasmic tail in mice, with two proline-rich domains that interact with the -SH3 domain binding sequence. CD6 binding to its ligand, CD166 (ALCAM), serves as a costimulatory molecule through its interaction with SLP-76. CD6 mediated signaling may contribute to thymocyte survival and functional avidity in mice and men.

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