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

Catalog Number: AN00327C

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 FITC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

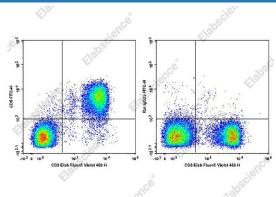
### Applications Recommended usage

FCM Each lot of this antibody is quality co

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 Elab Fluor® Violet 450 Anti-Mouse CD3 Antibody and FITC Anti-Mouse CD6 Antibody[OX-129] (left) or FITC Rat IgG2a,  $\kappa$  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** lce 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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