

PE Anti-Mouse CD6 Antibody[OX-129]

Catalog Number: AN00327D

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

Description

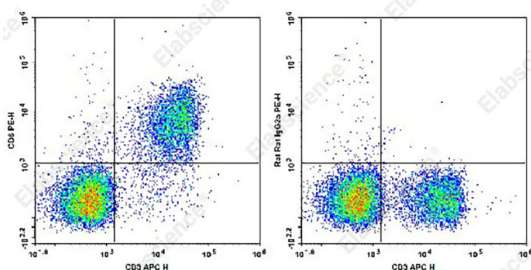
Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	OX-129
Isotype Control	PE Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832D]
Conjugation	PE
Conjugation Information	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical 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 and 1% protein protectant.

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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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Data



Staining of C57BL/6 murine splenocytes cells with APC Anti-Mouse CD3 Antibody and PE Anti-Mouse CD6 Antibody[OX-129] (left) or PE 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

For Research Use Only

Gene ID

12511

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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