

Purified Anti-Mouse CD6 Antibody[OX-129]

catalog number: AN003270P

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

Description

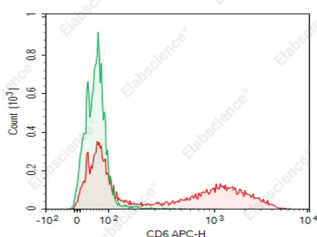
Reactivity	Mouse
Immunogen	Recombinant Mouse CD6 protein
Host	Rat
Isotype	Rat IgG2a, κ
Clone	OX-129
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM $\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume

Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD6 Antibody[OX-129](Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

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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