Anti-Mouse CD49b-170Er

Catalog #: 3170008B
Clone: HMα2
Package Size: 100 tests
Storage: Store product at 4°C. Do not freeze.
Isotype: Hamster IgG
Cross Reactivity: Mouse
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

C57BL/6 mouse splenocytes stained with 152Sm-anti-CD3e (145-2C11) and 170Er-anti-CD49b (HMα2).

Description

CD49b, also known as integrin α2, is a 150 kDa subunit that binds non-covalently with integrin β1 (CD29) to form the receptor VLA-2. VLA-2 is a receptor for collagen and laminin. VLA-2 is expressed by some CD4+ T cells, intra-epithelial lymphocytes (IEL), NK cells, platelets and epithelial cells. Evidence suggests that the collagen-binding VLA-2 can be a major regulator of T cell activation. It has recently been shown that co-expression of CD49b and LAG-3 identifies human and mouse T regulatory type I cells.

References


Contact Information:
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