

Anti-Mouse CD11a Antibody

Catalog Number:	203401, 203402
Size:	25 µg, 100 µg
Target Name:	CD11a, integrin alpha L (ITGAL), Ly-15, Ly-21, LFA-1 α subunit,
Regulatory Status:	RUO

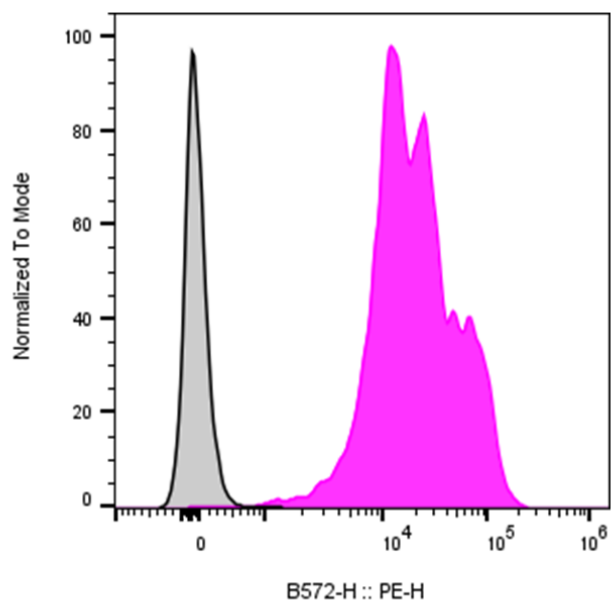
PRODUCT DETAILS

Clone:	M17/4
Application:	Flow Cytometry
Reactivity:	Mouse
Format:	Purified
Isotype:	Rat IgG2a
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Protein Concentration:	0.5 mg/mL
Storage&Handling:	The antibody solution should be stored between 2°C and 8°C
Recommended Usage:	For flow cytometric staining, it is recommended to use less than 0.12 µg of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.
Isotype Control:	303501

BACKGROUND INFORMATION

CD11a, also known as integrin alpha L (ITGAL), is a 180 kDa transmembrane glycoprotein expressed on the surface of all mouse leukocytes. Together with CD18 (integrin β2), CD11a forms the heterodimeric lymphocyte function-associated antigen-1 (LFA-1). LFA-1 plays a central role in leukocyte adhesion and migration through interactions with its ligands ICAM-1, ICAM-2, and ICAM-3. Upon cellular activation, CD11a undergoes a conformational change from a low-affinity to a high-affinity state, enabling firm cell-cell interactions. CD11a is also involved in lymphocyte costimulatory signaling and regulates immune cell activation, trafficking, and effector functions.

PRODUCT DATA



Mouse splenocytes were stained with purified Anti-Mouse CD11a clone M17/4 (color-filled histogram) or an isotype control (gray histogram), followed by PE anti-Rat IgG.

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