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InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

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

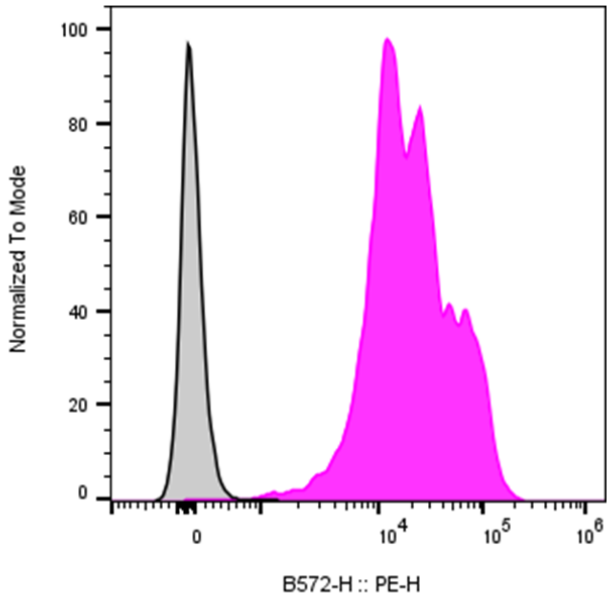
PRODUCT DETAILS

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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