

## Anti-Mouse CD11a Antibody

<b>Catalog Number:</b>	203401, 203402
<b>Size:</b>	25 ug, 100 ug
<b>Target Name:</b>	CD11a, integrin alpha L (ITGAL), Ly-15, Ly-21, LFA-1 $\alpha$ subunit,
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Clone:</b>	M17/4
<b>Application:</b>	Flow Cytometry
<b>Reactivity:</b>	Mouse
<b>Format:</b>	Purified
<b>Isotype:</b>	Rat IgG2a
<b>Antibody Type:</b>	Monoclonal
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Protein Concentration:</b>	0.5 mg/mL
<b>Storage&amp;Handling:</b>	The antibody solution should be stored between 2°C and 8°C
<b>Recommended Usage:</b>	For flow cytometric staining, it is recommended to use less than 0.2 ug of this reagent per 0.5-1.0 million cells in a 100 $\mu$ L volume. Optimal reagent performance should be determined by titration for each specific application.
<b>Isotype Control:</b>	303501

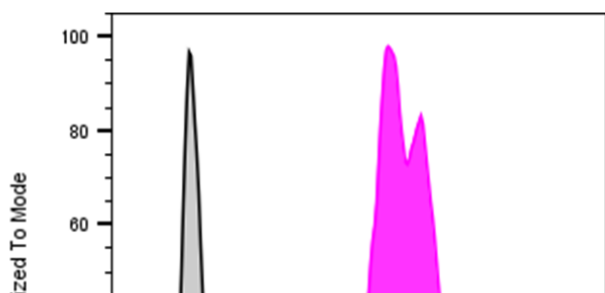
### BACKGROUND INFORMATION

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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  $\beta$ 2), 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

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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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