

CD11a Monoclonal Antibody (121/7)

Product Details	
Size	500 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a
Class	Monoclonal
Type	Antibody
Clone	121/7
Conjugate	Unconjugated
Immunogen	Mouse 180kD alpha chain (CD11alpha) of the integrin Lymphocyte Function-Associated Antigen-1
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20°C
RRID	AB_223586

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	Assay-dependent	-
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	Assay-dependent	1 Publication
Inhibition Assays (IA)	Assay-dependent	-

Product Specific Information

MA11A5 targets CD11a in FACS, IA, and Neu applications and shows reactivity with mouse samples. This antibody does not react with human Jurkat cells in FACS applications.

The MA11A5 immunogen is mouse 180kD alpha chain (CD11alpha) of the integrin Lymphocyte Function-Associated Antigen-1.

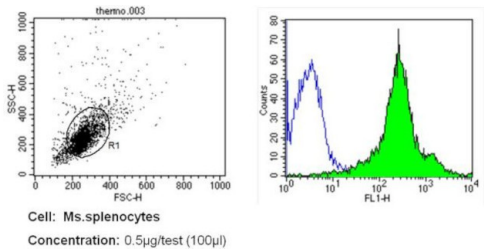
MA11A5 detects CD11a which has a predicted molecular weight of approximately 126 kDa.

This antibody is produced by injecting Rat IgG secreting hybridoma cells into the peritoneum of mice. The resulting ascites is collected from the mice and the antibody is purified.

This product is a Low Endotoxin formulation.

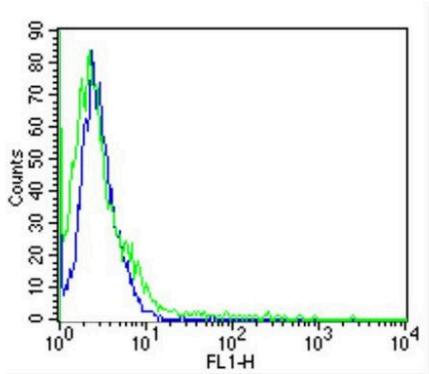
This product has been tested for endotoxins by limulus amoebocyte lysate (LAL) assay and contains an endotoxin concentration of less than or equal to 10 endotoxin units per milligram (EU/mg).

Product Images For CD11a Monoclonal Antibody (121/7)



CD11a Antibody (MA11A5) in Flow

Flow cytometry analysis of CD11a in mouse splenocytes (green) compared to an isotype control (blue). Human blood was collected, combined with a hydrophilic polysaccharide, centrifuged, transferred to a conical tube and washed with PBS. 50 µL of cell solution was added to each tube at a dilution of 2×10^7 cells/mL, followed by the addition of 50 µL of isotype control and primary antibody (Product # MA11A5) at a dilution of 0.5 µg/test. Cells were incubated for 30 min at 4°C and washed with a cell buffer, followed by incubation with a DyLight 488-conjugated secondary antibody for 30 min at 4°C in the dark. FACS analysis was performed using 400 µL of cell buffer.



CD11a Antibody (MA11A5) in Flow

Flow cytometry analysis of CD11a in Jurkat cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of $1-5 \times 10^6$ cells/mL, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a CD11a monoclonal antibody (Product # MA11A5) at a dilution of 2 µg/test for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated secondary antibody and re-suspended in PBS for FACS analysis.

Western Blot (1)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>Tec kinases regulate TCR-mediated recruitment of signaling molecules and integrin-dependent cell adhesion.</p> <p>"MA11A5 was used in western blot to investigate the role of Tec kinases in regulating integrin-mediated adhesion and recruitment of signaling complexes"</p> <p>Authors: Finkelstein LD,Shimizu Y,Schwartzberg PL</p>	<p>Year 2005</p> <p>Species Mouse</p>
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Immunoprecipitation (1)

<p>The Journal of biological chemistry</p> <p>Monoclonal antibodies that block the activity of leukocyte function-associated antigen 1 recognize three discrete epitopes in the inserted domain of CD11a.</p> <p>"MA11A5 was used in immunoprecipitation to study the inhibitory properties of eight monoclonal antibodies to leukocyte function-associated antigen against mutated forms of human CD11a."</p> <p>Authors: Champe M,McIntyre BW,Berman PW</p>	<p>Year 1995</p> <p>Species Mouse</p>
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Neutralization (1)

<p>Immunity</p> <p>Syk is required for integrin signaling in neutrophils.</p> <p>"MA11A5 was used in blocking or activating experiment to study the role of Syk tyrosine kinase in integrin signaling in neutrophils"</p> <p>Authors: Mócsai A,Zhou M,Meng F,Tybulewicz VL,Lowell CA</p>	<p>Year 2002</p> <p>Species Mouse</p> <p>Dilution 20 µg/mL</p>
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