

Product Datasheet

Integrin alpha 4 Rabbit Polyclonal Antibody (orb10943)

Catalog Number	orb10943
Category	Antibodies
Description	Integrin alpha 4 Rabbit Polyclonal Antibody
Target	ITGA4
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Mouse, Rat
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human Integrin alpha 4 (551-650/1032aa)
UniProt ID	P13612

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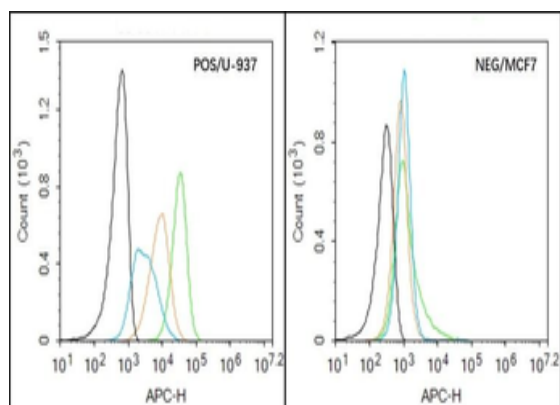
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RRID	AB_10752321
MW	150 kDa
Tested applications	ELISA, WB
Dilution range	WB=1:500-2000, ELISA=1:5000-10000
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Black line: Positive blank control (U937), Negative blank control (MCF7), Green line: Primary Antibody (Rabbit Anti-Integrin alpha 4 antibody (orb10943)), Orange line: Isotype Control Antibody (Rabbit IgG). Blue line: Secondary Antibody (Goat anti-rabbit IgG-AF647), U937 (Positive) and MCF7 (Negative control) cells (black) were incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with Integrin alpha 4 Antibody (orb10943) at 1:50 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody (blue) incubation for 40 min at room temperature. Acquisitions of 20000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).

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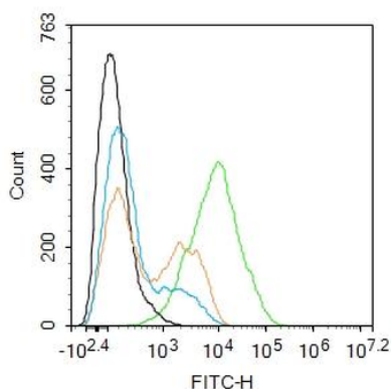
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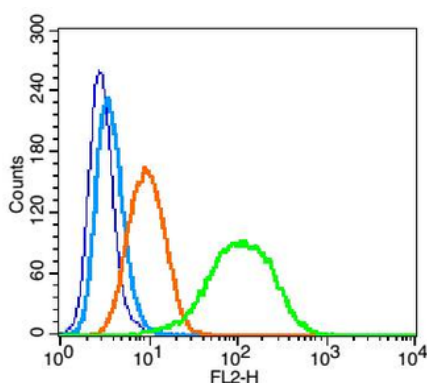
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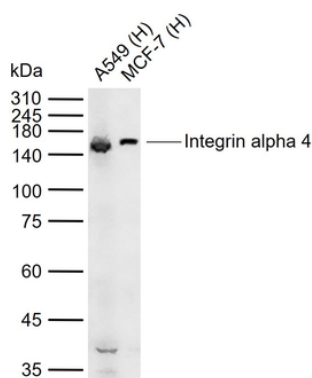
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Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-Integrin alpha 4 antibody (orb10943), Dilution: 2 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 1 µg/Test. Protocol, The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Blank control: U937 (blue). Primary Antibody: Rabbit Anti-Integrin alpha 4 antibody (orb10943), Dilution: 1 µg in 100 µl 1X PBS containing 0.5% BSA, Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions, Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol, The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (orb10943, 1 µg/1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20000 events was performed.



Sample: Lane 1: Human A549 cell lysates, Lane 2: Human MCF-7 cell lysates, Primary: Anti-Integrin alpha 4 (orb10943) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 111 kDa, Observed band size: 150 kDa.

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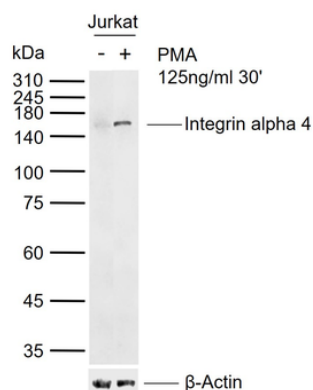
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Sample: Lane 1: Normal human Jurkat cell lysates, Lane 2: Jurkat treated with PMA 125 ng/ml 30 min, Primary: Anti-Integrin alpha 4 (orb10943) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 111 kDa, Observed band size: 150 kDa.

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