Product datasheet

Anti-CD11c/Integrin Alpha X/ITGAX Antibody

Catalog Number: *A00357-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

Product Name	Anti-CD11c/Integrin Alpha X/ITGAX Antibody
Gene Name	Itgax
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived mouse CD11c/Itgax recombinant protein (Position: F20-E332).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	128,150 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

CD11c, also known as Integrin, alpha X (complement component 3 receptor 4 subunit) (ITGAX), is a genethat encodes for CD11c. This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene.

Reference

Anti-CD11c/Integrin Alpha X/ITGAX Antibody被引用在1文献中。

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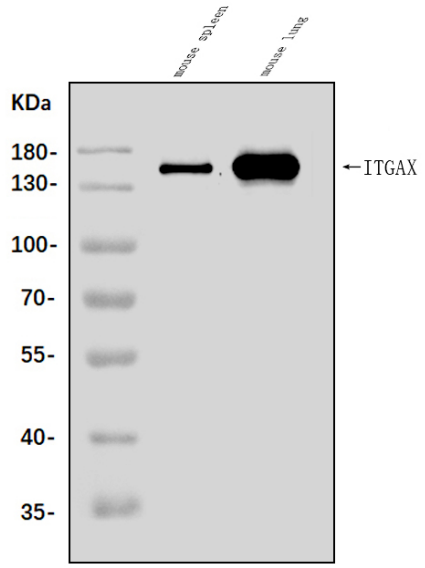
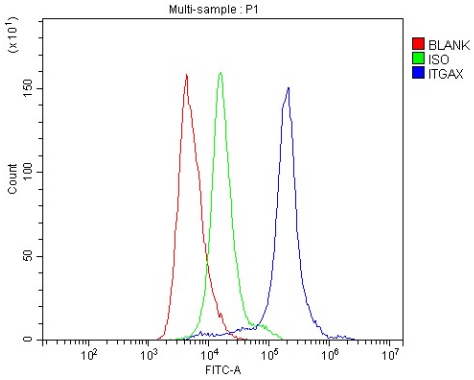
Selected Validation Data



Western blot analysis of CD11c/Integrin Alpha X/ITGAX using anti-CD11c/Integrin Alpha X/ITGAX antibody (A00357-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: mouse spleen tissue lysates,
Lane 2: mouse lung tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD11c/Integrin Alpha X/ITGAX antigen affinity purified polyclonal antibody (A00357-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD11c/Integrin Alpha X/ITGAX at approximately 128,150 kDa. The expected band size for CD11c/Integrin Alpha X/ITGAX is at 129 kDa.



Flow Cytometry analysis of mouse spleen tissue using anti-CD11c/Integrin Alpha X/ITGAX antibody (A00357-2).
Overlay histogram showing mouse spleen tissue stained with A00357-2 (Blue line). The tissue was fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-CD11c/Integrin Alpha X/ITGAX Antibody (A00357-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.