Anti-CD11c/Integrin Alpha X/ITGAX Antibody

Catalog Number: A00357-3



Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Basic Information		
Product Name	Anti-CD11c/Integrin Alpha X/ITGAX Antibody	
Gene Name	ltgax	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	mouse, rat	
Tested Application	WB, IHC, 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: P140-T342).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	128,150 kDa	
Dilution Ratios	Western blot (WB): Immunohistochemistry (IHC): Enzyme linked immunosorbent assay (ELISA): (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EI mins is required for the staining of formalin/paraffin sections.) Optima determined by end user.	00 DTA repair liquid for 20

Storage

12 months from date of receipt, -20°C 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

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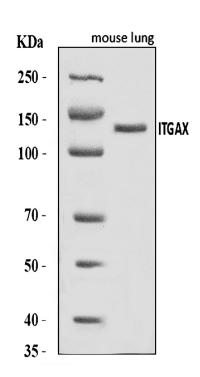


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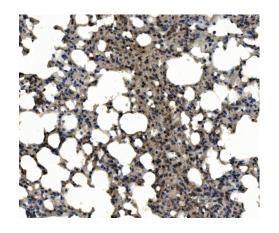
Anti-CD11c/Integrin Alpha X/ITGAX Antibody被引用在6文献中。

Selected Validation Data



Western blot analysis of CD11c/Integrin Alpha X/ITGAX using anti-CD11c/Integrin Alpha X/ITGAX antibody (A00357-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: 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 (A00357-3) 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.



IHC analysis of CD11c/Integrin Alpha X/ITGAX using anti-CD11c/Integrin Alpha X/ITGAX antibody (A00357-3).

CD11c/Integrin Alpha X/ITGAX was detected in a paraffin-embedded section of mouse lung tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-CD11c/Integrin Alpha X/ITGAX Antibody (A00357-3) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.