

Basic Information

Product Name	Anti-CD11c/Integrin Alpha X/ITGAX Antibody	
Gene Name	ITGAX	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse	
Tested Application	WB, IHC, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived human CD11c recombinant protein (Position: S161-T342). Human CD11c shares 66.9% amino acid (aa) sequence identity with both mouse and rat CD11c.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	128,150 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 ELISA: 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

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

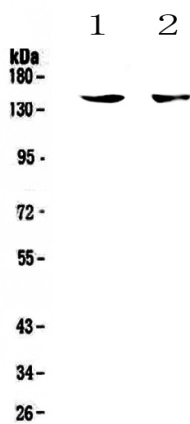
Background Information

CD11c, also known as Integrin, alpha X (complement component 3 receptor 4 subunit) (ITGAX), is a gene that 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2文献中。

Selected Validation Data

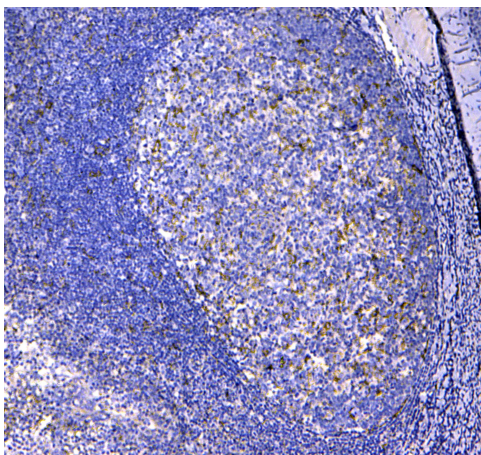


Western blot analysis of CD11c/Integrin Alpha X/ITGAX using anti-CD11c/Integrin Alpha X/ITGAX antibody (A00357-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse spleen tissue lysates,

Lane 2: mouse thymus 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 (A00357-1) 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 128 kDa.



IHC analysis of CD11c/Integrin Alpha X/ITGAX using anti-CD11c/Integrin Alpha X/ITGAX antibody (A00357-1).

CD11c/Integrin Alpha X/ITGAX was detected in a paraffin-embedded section of human tonsil 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 (A00357-1) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.