

Basic Information

Product Name	Anti-CD11B/Integrin Alpha M/ITGAM Antibody
Gene Name	Itgam
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived mouse CD11B/Integrin Alpha M/Itgam recombinant protein (Position: F17-L253).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	127,170 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

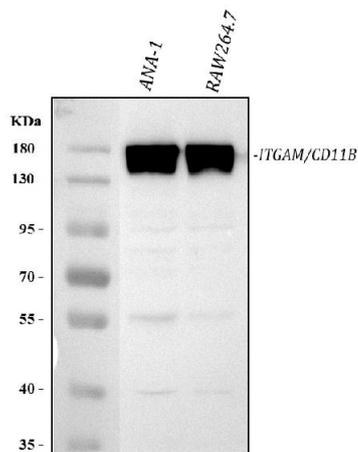
Storage

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

Background Information

Integrin alpha M (ITGAM) is one protein subunit that forms the heterodimeric integrin alpha-M beta-2 (α M β 2) molecule, also known as macrophage-1 antigen (Mac-1) or cluster of differentiation molecule 11B (CD11B). It is mapped to 16p11.2. ITGAM has a role in vascular repair after mechanical arterial injury. It is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. What's more, ITGAM probably recognizes the R-G-D peptide in C3b, and it is also a receptor for fibrinogen, factor X and ICAM1.

Selected Validation Data



Western blot analysis of anti-CD11B/Integrin Alpha M/Itgam antibody (A00144-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse ANA-1 whole cell lysates,

Lane 2: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-CD11B/Integrin Alpha M/Itgam antigen affinity purified polyclonal antibody (A00144-2) 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 CD11B/Integrin Alpha M/Itgam at approximately 170 kDa. The expected band size for CD11B/Integrin Alpha M/Itgam is at 170 kDa.