Product datasheet

Anti-P-Selectin/SELP Antibody

Catalog Number: *A01241-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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-P-Selectin/SELP Antibody
Gene Name	Selp
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
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 CD62P recombinant protein (Position: W42-A267). Mouse CD62P shares 76% and 90.7% amino acid (aa) sequence identity with human and rat CD62P, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	140 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (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℃ as supplied.

Background Information

CD62P is also known as SELP or P-selectin. This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented.

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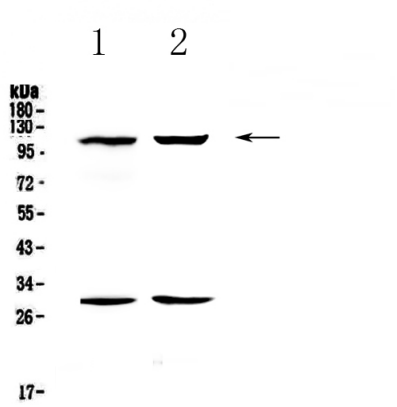
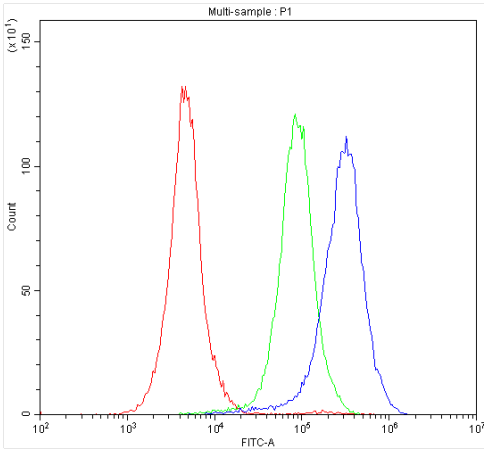
Reference

Anti-P-Selectin/SELP Antibody被引用在4文献中。

Selected Validation Data



Western blot analysis of P-Selectin/SELP using anti-P-Selectin/SELP antibody (A01241-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: mouse heart tissue lysates,
Lane 2: rat heart tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-P-Selectin/SELP antigen affinity purified polyclonal antibody (A01241-1) 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 P-Selectin/SELP at approximately 140 kDa. The expected band size for P-Selectin/SELP is at 83 kDa.



Flow Cytometry analysis of Raw264.7 cells using anti-P-Selectin/SELP antibody (A01241-1).
Overlay histogram showing Raw264.7 cells stained with A01241-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-P-Selectin/SELP Antibody (A01241-1) 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.