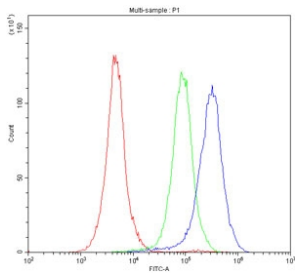
P-Selectin Antibody / SELP / CD62P (RQ4284)

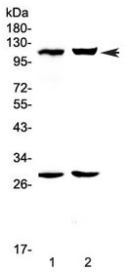
Catalog No.	Formulation	Size
RQ4284	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q01102
Localization	Cell membrane
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This P-Selectin antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized mouse RAW264.7 cells with P-Selectin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= P-Selectin antibody.



Western blot testing of 1) mouse heart and 2) rat heart lysate with P-Selectin antibody. Expected molecular weight: 91-140 kDa depending on glycosylation level.

Description

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.

Application Notes

Optimal dilution of the P-Selectin antibody should be determined by the researcher.

Immunogen

A recombinant mouse protein corresponding to amino acids W42-A267 was used as the immunogen for the P-Selectin antibody.

Storage

After reconstitution, the P-Selectin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.