

For Research Use Only

# PE Anti-Human CD62P (AK4)

Catalog Number: PE-65164



## Basic Information

### Catalog Number:

PE-65164

### Size:

100 tests, 5 µl/test

### Source:

Mouse

### Isotype:

IgG1, kappa

### GenBank Accession Number:

BC028067

### GeneID (NCBI):

6403

### UNIPROT ID:

P16109

### Full Name:

selectin P (granule membrane protein 140kDa, antigen CD62)

### Calculated MW:

830 aa, 91 kDa

### Purification Method:

The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

### CloneNo.:

AK4

### Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

### Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

### Tested Applications:

FC

### Species Specificity:

Human, Non-human primates

### Positive Controls:

FC : human peripheral blood platelets,

## Background Information

P-selectin, also known as GMP140 or CD62P, is a transmembrane glycoprotein that mediates the interaction of activated endothelial cells or platelets with leukocytes. It is an adhesion molecule involved in the pathogenesis of inflammation, thrombosis, and oncogenesis. P-selectin is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.

## Storage

### Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

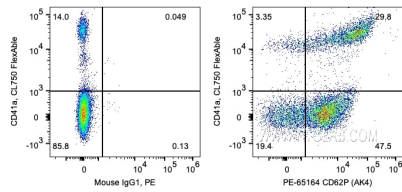
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> thrombin-activated human peripheral blood platelets were surface co-stained with Anti-Human CD41a labeled with FlexAble CoraLite® Plus750 Antibody Labeling Kit for Mouse IgG1 (KFA024) and PE Anti-Human CD62P (PE-65164, Clone: AK4) or Mouse IgG1 Isotype Control. Cells were not fixed.