

P-Selectin (Psel.KO.2.7): sc-101336

BACKGROUND

Selectins, also designated CD62 antigens, comprise a family of carbohydrate-binding proteins involved in mediating cellular interactions with leukocytes. L-Selectin (also designated LECAM-1 or CD62L) is expressed on the majority of B and naive T cells and on most monocytes, neutrophils and eosinophils. L-Selectin interacts with specific carbohydrates expressed by activated endothelial cells. P-Selectin (also designated GMP-140 or CD62P), expressed on activated platelets and endothelial cells, a3/18/2004nd E-Selectin (also designated ELMA-1 or CD62E), expressed on endothelial cells, exhibit overlapping ligand specificities. Both recognize sialyl-Le^x as a ligand and bind to specific carbohydrates on neutrophils and monocytes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SELP (human) mapping to 1q24.2; Selp (mouse) mapping to 1 H2.2.

SOURCE

P-Selectin (Psel.KO.2.7) is a mouse monoclonal antibody raised against 300.19 cells transfected with P-Selectin of human origin.

PRODUCT

Each vial contains 200 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

P-Selectin (Psel.KO.2.7) is available conjugated to either phycoerythrin (sc-101336 PE) or fluorescein (sc-101336 FITC), 200 μ g/ml, for WB (RGB), IF, IHC(P) and FCM.

APPLICATIONS

P-Selectin (Psel.KO.2.7) is recommended for detection of P-Selectin of mouse, rat and human origin by immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 μ g per 1 x 10⁶ cells).

P-Selectin (Psel.KO.2.7) is also recommended for detection of P-Selectin in additional species, including caprine, bovine, equine and ovine.

Suitable for use as control antibody for P-Selectin siRNA (h): sc-29421, P-Selectin siRNA (m): sc-36136, P-Selectin shRNA Plasmid (h): sc-29421-SH, P-Selectin shRNA Plasmid (m): sc-36136-SH, P-Selectin shRNA (h) Lentiviral Particles: sc-29421-V and P-Selectin shRNA (m) Lentiviral Particles: sc-36136-V.

Molecular Weight of P-Selectin: 140 kDa.

Positive Controls: human platelet extract: sc-363773, mouse placenta extract: sc-364247 or WEHI-231 whole cell lysate: sc-2213.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.



See **P-Selectin (CTB201): sc-8419** for P-Selectin antibody conjugates, including AC, HRP, FITC, PE, and Alexa Fluor[®] 488, 546, 594, 647, 680 and 790.