BACKGROUND
Selectins, also designated CD62 antigens, comprise a family of carbohydrate-binding proteins involved in mediating cellular interactions with leukocytes. L-Selectin (also designated LECA M-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, and E-Selectin (also designated ELMA-1 or CD62E), expressed on endothelial cells, exhibit overlapping ligand specificities. Both recognize sialyl-Lea as a ligand and bind to specific carbohydrates on neutrophils and monocytes.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: SELL (human) mapping to 1q24.2; Sell (mouse) mapping to 1H2.2.

SOURCE
L-Selectin (N-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of L-Selectin of human origin.

PRODUCT
Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-6946 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS
L-Selectin (N-18) is recommended for detection of L-Selectin of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for L-Selectin siRNA (h): sc-35770, L-Selectin siRNA (m): sc-35771, L-Selectin shRNA Plasmid (h): sc-35770-SH, L-Selectin shRNA Plasmid (m): sc-35771-SH, L-Selectin shRNA (h) Lentiviral Particles: sc-35770-V and L-Selectin shRNA (m) Lentiviral Particles: sc-35771-V.

Molecular Weight of L-Selectin: 81 kDa. Positive Controls: mouse heart extract: sc-2254 or Jurkat whole cell lysate: sc-2204.

RECOMMENDED SECONDARY REAGENTS
To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA

SELECTED PRODUCT CITATIONS

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 or our catalog for detailed protocols and support products.

MONOS Satisfaction Guaranteed

Try L-Selectin (B-8): sc-390756 or L-Selectin (lam1-116): sc-13505, our highly recommended monoclonal alternatives to L-Selectin (N-18).