

# GlyCAM1 (M-18): sc-386632

## BACKGROUND

GlyCAM1 (Glycosylation-dependent cell adhesion molecule 1), also known as MC26 and SGP50, is a 151 amino acid protein belonging to the PP3/GlyCAM-1 family. A cellular membrane protein, GlyCAM1 is extensively O-glycosylated and thought to function as an adhesion molecule through interaction of carbohydrates and the lectin domain of L-selectin as an L-selectin ligand. GlyCAM1 is well expressed in the lymph nodes, where it is thought to mediate the initial adhesion of leukocytes to specialized high endothelial venules in lymph nodes and venules at sites of inflammation, as well as in the mammary glands of late-term pregnant and lactating mice. The gene that encodes the GlyCAM1 protein in mice is located on chromosome 15 F3, and contains 4 exons.

## REFERENCES

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3. Dowbenko, D., Andalibi, A., Young, P.E., Lusis, A.J. and Lasky, L.A. 1993. Structure and chromosomal localization of the murine gene encoding GLYCAM 1. A mucin-like endothelial ligand for L selectin. *J. Biol. Chem.* 268: 4525-4529.
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## CHROMOSOMAL LOCATION

Genetic locus: Glycam1 (mouse) mapping to 15 F3.

## SOURCE

GlyCAM1 (M-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of GlyCAM1 of mouse origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-386632 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

GlyCAM1 (M-18) is recommended for detection of GlyCAM1 of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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 GlyCAM1 siRNA (m): sc-145454, GlyCAM1 shRNA Plasmid (m): sc-145454-SH and GlyCAM1 shRNA (m) Lentiviral Particles: sc-145454-V.

## 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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) 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<sup>™</sup> Mounting Medium: sc-24941.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.