Anti-PSGL-1 antibody ab196779

Overview

Product name: Anti-PSGL-1 antibody
Description: Rabbit polyclonal to PSGL-1
Host species: Rabbit
Tested applications: Suitable for: ICC/IF, IHC-P
Species reactivity: Reacts with: Human
Immunogen: Recombinant fragment corresponding to Human PSGL-1. Database link: Q14242
Positive control: HeLa cells

Properties

Form: Liquid
Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
 Constituents: 49% PBS, 50% Glycerol, 0.87% Sodium chloride
 PBS (without Mg2+ and Ca2+)
 Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab196779 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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A SLe(x)-type proteoglycan, which through high affinity, calcium-dependent interactions with E-, P- and L-selectins, mediates rapid rolling of leukocytes over vascular surfaces during the initial steps in inflammation. Critical for the initial leukocyte capture. (Microbial infection) Acts as a receptor for enterovirus 71.

Expressed on neutrophils, monocytes and most lymphocytes.

Displays complex, core-2, sialylated and fucosylated O-linked oligosaccharides, at least some of which appear to contain poly-N-acetyllactosamine with varying degrees of substitution. Mainly disialylated or neutral forms of the core-2 tetrasaccharide, Galbeta1-->4GlcNAcbeta1-->6(Galbeta1-->3)GalNAcOH. The GlcN:GalN ratio is approximately 2:1 and the Man:Fuc ratio 3:5. Contains about 14% fucose with alpha-1,3 linkage present in two forms: One species is a disialylated, monofucosylated glycan, and the other, a monosialylated, trifucosylated glycan with a polylactosamine backbone. The fucosylated forms carry the Lewis antigen and are important for interaction with selectins and for functioning in leukocyte rolling. The modification containing the sialyl Lewis X glycan is on Thr-57. No sulfated O-glycans. Some N-glycosylation. Sulfation, in conjunction with the SLe(x)-containing glycan, is necessary for P- and L-selectin binding. High affinity P-selectin binding has a preferred requirement for the isomer sulfated on both Tyr-48 and Tyr-51, whereas L-selectin binding requires predominantly sulfation on Tyr-51 with sulfation on Tyr-48 playing only a minor role. These sulfations play an important role in L- and P-selectin-mediated neutrophil recruitment, and leukocyte rolling.

Membrane.
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