Anti-PSGL-1 antibody [HECA-452] ab110096

Overview

Product name: Anti-PSGL-1 antibody [HECA-452]
Description: Rat monoclonal [HECA-452] to PSGL-1
Host species: Rat
Tested applications: Suitable for: IHC-P, Flow Cyt
Species reactivity: Reacts with: Human
Predicted to work with: Mouse
Immunogen: Other Immunogen Type corresponding to Human PSGL-1. Stromal preparation of human tonsils
Positive control: Human spleen or tonsil tissue. Human peripheral blood lymphocytes.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: pH: 7.20
Preservative: 0.09% Sodium azide
Constituent: PBS
Clonality: Monoclonal
Clone number: HECA-452
Isotype: IgM

Applications

Our Abpromise guarantee covers the use of ab110096 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 10 µg/ml.</td>
</tr>
</tbody>
</table>
A SL(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 SL(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.

ab110096 at 10µg/ml staining PSGL-1 in Formalin/PFA-fixed paraffin-embedded Human spleen tissue.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PSGL-1 antibody [HECA-452] (ab110096)

ab110096 at 10µg/ml staining PSGL-1 in Formalin/PFA-fixed paraffin-embedded Human tonsil tissue.

Please note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors