Product datasheet

Anti-CD62P antibody [AK-6] ab6632

Overview

Product name: Anti-CD62P antibody [AK-6]
Description: Mouse monoclonal [AK-6] to CD62P
Host species: Mouse
Specificity: MCA796 recognises the CD62P glycoprotein, a 140kD molecule expressed by activated platelets and endothelial cells.

Tested applications: Suitable for: Flow Cyt, IHC-P, IHC-Fr, IP, WB
Species reactivity: Reacts with: Mouse, Human, Rhesus monkey

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: pH: 7.60
Preservative: 0.01% Thimerosal (merthiolate)
Constituents: 0.164% Sodium phosphate, 1.45% Sodium chloride, 1% BSA
Purity: Immunogen affinity purified
Purification notes: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.
Clonality: Monoclonal
Clone number: AK-6
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab6632 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**

Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1.

**Tissue specificity**

Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.

**Involvement in disease**

Defects in SELP may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.

**Sequence similarities**

Belongs to the selectin/LECAM family. Contains 1 C-type lectin domain. Contains 1 EGF-like domain. Contains 9 Sushi (CCP/SCR) domains.

**Cellular localization**

Membrane.

<table>
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<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/10 - 1/100. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>IHC-Fr</td>
<td>★★★★★</td>
<td>1/1000 - 1/5000.</td>
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<td>IP</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
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ab6632 at 1/10 dilution staining human renal carcinoma tissue sections by Immunohistochemistry (Formalin-fixed paraffin-embedded sections). Following heat mediated antigen retrieval the tissue was stained with antibody for 12 hours and then detected using a biotinylated donkey anti-mouse IgG antibody.

This image is courtesy of an Abreview submitted on 3 March 2006.

ab6632 staining CD62P in thrombin activated human platelets by Flow Cytometry analysis.

ab6632 staining CD62P in rhesus monkey myometrium tissue sections by Immunohistochemistry (IHC-Fr - frozen sections). Tissue was fixed with formaldehyde and blocked with 2% serum for 20 minutes at 25°C. Samples were incubated with primary antibody at 1/500 dilution for 16 hours at 4°C. A biotin conjugated horse polyclonal was used as the secondary antibody at 1/200 dilution.

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