**Product datasheet**

**Anti-SGLT2 antibody ab58298**

★★★★☆ 2 Abreviews  1 References  2 Images

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**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-SGLT2 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Mouse monoclonal to SGLT2</td>
</tr>
<tr>
<td>Host species</td>
<td>Mouse</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB, Flow Cyt</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant fragment: GLFDKYLGAA TSLTVSEDPA VGINSSFCYR PRPDSYHLLR HPVTGDLPWP , corresponding to amino acids 228-278 of Human SGLT2</td>
</tr>
</tbody>
</table>

**General notes**

This product was changed from ascites to tissue culture supernatant on 12/3/19. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

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**Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>Preservative: NonePBS, pH 7.2</td>
</tr>
<tr>
<td>Purity</td>
<td>Tissue culture supernatant</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Light chain type</td>
<td>kappa</td>
</tr>
</tbody>
</table>

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**Applications**

Our Abpromise guarantee covers the use of ab58298 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**  
Sodium-dependent glucose transporter. Has a Na(+) to glucose coupling ratio of 1:1. Efficient substrate transport in mammalian kidney is provided by the concerted action of a low affinity high capacity and a high affinity low capacity Na(+)/glucose cotransporter arranged in series along kidney proximal tubules.

**Involvement in disease**  
Defects in SLC5A2 are the cause of renal glucosuria (GLYS1) [MIM:233100]. GLYS1 is an autosomal recessive disorder characterized by a normal fasting serum glucose concentration and persistent isolated glucosuria, with a normal glucose tolerance test.

**Sequence similarities**  
Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.

**Cellular localization**  
Membrane.

### Images

Western blot against tagged recombinant protein immunogen using ab58298 SGLT2 antibody at 1µg/ml. Predicted band size of immunogen is 32 kDa

This image was generated using the ascites version of the product.
Overlay histogram showing HEK293 cells stained with ab58298 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab58298, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (ab91361, 1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

This image was generated using the ascites version of the product.

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