# Data Sheet (Cat.No.TMAH-01103)

## Anti-SLC2A2 Antibody (8L284)

### Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 8L284 |
| Purification: | Affinity-chromatography |

### Applications

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| Verified Activity: | 1. IHC image of TMAH-01103 diluted at 1:50 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.20% DAB.<br>2. Immunofluorescence staining of HepG2 with TMAH-01103 at 1:25, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 495-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).<br>3. Overlay Peak curve showing HepG2 cells surface stained with TMAH-01103 (red line) at 1:50. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1μg/1*10^6 cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C.Control antibody (green line) was rabbit IgG (1μg/1*10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed. |
| Application: | ELISA,FCM,IF,IHC |
| Recommended | IHC:1:50-1:200; IF:1:50-1:200; FCM:1:50-1:200. |

### Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

### Antigen Details

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| Immunogen: | A synthetic peptide: Human SLC2A2 |
| Antigen Species: | Human |
| Gene ID: | 6514 |
| Uniprot ID: | P11168 |
| Synonyms: | facilitated glucose transporter member 2;Glucose transporter type 2;Solute carrier family 2; GLUT-2;GLUT2 |
| Biology Area: | Cancer, Developmental biology, Metabolism, Signal transduction, Stem cells |

## Research Background

Facilitative hexose transporter that mediates the transport of glucose and fructose. Likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells; may comprise part of the glucose-sensing mechanism of the beta cell. May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney. Also able to mediate the transport of dehydroascorbate.



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