

Anti-Glucose Transporter 5 GLUT5/SLC2A5 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9960-Fluoro488

About SLC2A5

SLC2A5, also known as GLUT5 (Glucose transporter 5), is a fructose transporter expressed on the apical border of enterocytes in the small intestine. The GLUT5 gene is located on chromosome 1. GLUT5 allows for fructose to be transported from the intestinal lumen into the enterocyte by facilitated diffusion due to fructose's high concentration in the intestinal lumen. GLUT5 is also expressed in skeletal muscle, testis, kidney, fat tissue, and brain. Fructose malabsorption or Dietary Fructose Intolerance is a dietary disability of the small intestine, where the amount of fructose carrier in enterocytes is deficient.

Overview

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| Product Name | Anti-Glucose Transporter 5 GLUT5/SLC2A5 Antibody Picoband® Fluoro488 Conjugated |
| Reactive Species | Human, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P22732 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human SLC2A5, different from the related mouse and rat sequences by nine amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 27923977, Sex differences in renal and metabolic responses to a high-fructose diet in mice

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