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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GAA Antibody Picoband® (monoclonal, 2G7) Cy3 Conjugated

Catalog Number: M01548-Cy3

About GAA

Lysosomal alpha-glucosidase is an enzyme that in humans is encoded by the GAA gene. This gene encodes lysosomal alpha-glucosidase, which is essential for the degradation of glycogen to glucose in lysosomes. The encoded preproprotein is proteolytically processed to generate multiple intermediate forms and the mature form of the enzyme. Defects in this gene are the cause of glycogen storage disease II, also known as Pompe's disease, which is an autosomal recessive disorder with a broad clinical spectrum. Alternative splicing results in multiple transcript variants.

Overview

Product Name	Anti-GAA Antibody Picoband® (monoclonal, 2G7) Cy3 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Monoclonal 2G7
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	P10253

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human GAA, different from the related mouse sequence by eight amino acids, and from the related rat sequence by six amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.