

Anti-HGD Antibody Picoband® (monoclonal, 2F11E1) Fluoro594 Conjugated

Catalog Number: M01909-1-Fluoro594

About HGD

The HGD gene encodes homogentisate 1,2-dioxygenase (HGD), an enzyme involved in the catabolism of phenylalanine and tyrosine. This enzyme is involved in the catabolism of the amino acids tyrosine and phenylalanine. Mutations in this gene are the cause of the autosomal recessive metabolism disorder alkaptonuria. This gene is mapped to chromosome 3q21-q23 by a preliminary PCR screen of hamster/human somatic cell hybrid genomic DNA samples and by fluorescence in situ hybridization.

Overview

Product Name	Anti-HGD Antibody Picoband® (monoclonal, 2F11E1) Fluoro594 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Monoclonal 2F11E1
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	Mouse
Uniprot ID	Q93099

Technical Details

Immunogen	E. coli-derived human HGD recombinant protein (Position: D374-N445).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-HGD Antibody (monoclonal, 2F11E1) - Fluoro594

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