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Anti-NUDT15 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A05498-2-Fluoro550

About NUDT15

Nudix hydrolase 15 is a protein that in humans is encoded by the NUDT15 gene. This gene encodes an enzyme that belongs to the Nudix hydrolase superfamily. Members of this superfamily catalyze the hydrolysis of nucleoside diphosphates, including substrates like 8-oxo-dGTP, which are a result of oxidative damage, and can induce base mispairing during DNA replication, causing transversions. The encoded enzyme is a negative regulator of thiopurine activation and toxicity. Mutations in this gene result in poor metabolism of thiopurines, and are associated with thiopurine-induced early leukopenia. Multiple pseudogenes of this gene have been identified.

Overview

Product Name	Anti-NUDT15 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
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	Rabbit
Uniprot ID	Q9NV35

Technical Details

Immunogen	E.coli-derived human NUDT15 recombinant protein (Position: C23-L164). Human NUDT15 shares 90.8% amino acid (aa) sequence identity with mouse NUDT15.
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-NUDT15 Antibody - Fluoro550

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