

Anti-Human Glutathione Reductase DyLight® 488 conjugated GSR Antibody

Catalog Number: A01479-Dyl488

About GSR

Glutathione reductase (GR), also known as glutathione-disulfide reductase (GSR), is an enzyme that in humans is encoded by the GSR gene. This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. This enzyme is a homodimeric flavoprotein. It is a central enzyme of cellular antioxidant defense, and reduces oxidized glutathione disulfide (GSSG) to the sulfhydryl form GSH, which is an important cellular antioxidant. Rare mutations in this gene result in hereditary glutathione reductase deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been found.

Overview

Product Name	Anti-Human Glutathione Reductase DyLight® 488 conjugated GSR Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human Glutathione Reductase DyLight® 488 conjugated GSR Antibody catalog # A01479-Dyl488. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®488
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	P00390

Technical Details

Immunogen	E. coli-derived human Glutathione Reductase recombinant protein (Position: K256-R522).
Predicted Reactive Species	Human
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry, 1-3ug/1x10⁶ cells</p>

Anti-Human Glutathione Reductase DyLight® 488 conjugated GSR Antibody (A01479-Dyl488) Images



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