

## Anti-Human SUR1 DyLight® 550 conjugated ABCC8 Antibody

Catalog Number: A00895-Dyl550

### About ABCC8

ATP-binding cassette transporter sub-family C member 8 is a protein that in humans is encoded by the ABCC8 gene. The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a modulator of ATP-sensitive potassium channels and insulin release. Mutations and deficiencies in this protein have been observed in patients with hyperinsulinemic hypoglycemia of infancy, an autosomal recessive disorder of unregulated and high insulin secretion. Mutations have also been associated with non-insulin-dependent diabetes mellitus type II, an autosomal dominant disease of defective insulin secretion. Alternatively spliced transcript variants have been found for this gene.

### Overview

Product Name	Anti-Human SUR1 DyLight® 550 conjugated ABCC8 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human SUR1 DyLight® 550 conjugated ABCC8 Antibody catalog # A00895-Dyl550. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®550
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	Q09428

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SUR1, which shares 97.7% amino acid (aa) sequence identity with both mouse and rat SUR1.
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.
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/1x10<sup>6</sup> cells</p>

## Anti-Human SUR1 DyLight® 550 conjugated ABCC8 Antibody (A00895-DyI550) Images



Boster Kit Box

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