

## Basic Information

<b>Product Name</b>	Anti-ABCC8 DyLight 550 Conjugated Antibody
<b>Gene Name</b>	ABCC8
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human
<b>Tested Application</b>	FCM
<b>Contents</b>	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
<b>Immunogen</b>	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.
<b>Fluorophores</b>	Amax=562nm; Emax=576nm
<b>Conjugate</b>	Dylight 550
<b>Concentration</b>	500ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Dilution Ratios</b>	Flow cytometry (FCM):1-3 µg/1x10 <sup>6</sup> cells

## Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

## Background Information

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.

## Selected Validation Data

Product datasheet

**Anti-ABCC8 DyLight 550 Conjugated  
Antibody**

**Catalog Number: A00895-Dyl550**

**BOSTER**

antibody and ELISA experts

**BOSTER BIOLOGICAL TECHNOLOGY**

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