

Anti-Human PDCD10 DyLight® 488 conjugated Antibody

Catalog Number: A01879-Dyl488

About PDCD10

Programmed cell death protein 10 is a protein that in humans is encoded by the PDCD10 gene. This gene encodes an evolutionarily conserved protein associated with cell apoptosis. The protein interacts with the serine/threonine protein kinase MST4 to modulate the extracellular signal-regulated kinase (ERK) pathway. It also interacts with and is phosphorylated by serine/threonine kinase 25, and is thought to function in a signaling pathway essential for vascular development. Mutations in this gene are one cause of cerebral cavernous malformations, which are vascular malformations that cause seizures and cerebral hemorrhages. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Overview

Product Name	Anti-Human PDCD10 DyLight® 488 conjugated Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human PDCD10 DyLight® 488 conjugated Antibody catalog # A01879-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	Q9BUL8

Technical Details

Immunogen	E. coli-derived human PDCD10 recombinant protein (Position: M1-A212).
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

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow Cytometry, 1-3ug/1x10⁶ cells

Anti-Human PDCD10 DyLight® 488 conjugated Antibody (A01879-Dyl488) Images

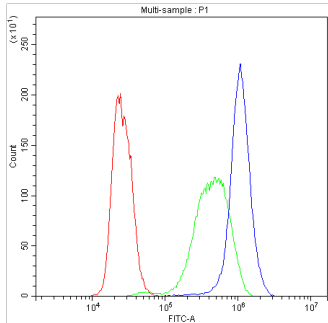


Figure 1. Flow Cytometry analysis of K562 cells using anti-Human PDCD10 antibody (A01879-Dyl488). Overlay histogram showing K562 cells stained with A01879-Dyl488 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Human PDCD10 Antibody (A01879-Dyl488, 1ug/1x10⁶ cells) for 30 min at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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